

0001558370-24-01465110-Q VEECO INSTRUMENTS INC 2021106204110616313916314163141 0 0001558370-24-014651 10-Q 80 20240930 20241106 20241106 VEECO INSTRUMENTS INC 0000103145 3559 12989601 DE 1231 10 Q 34 000-16244 241431559 TERMINAL DRIVE PLAINVIEW NY 11803 516 677-0200 TERMINAL DRIVE PLAINVIEW NY 11803 VACUUM ELECTRONIC MANUFACTURING CORP 19700408 10-Q 1 veco-20240930x10q.htm 10-Q P1Yhttp://fasb.org/us-gaap/2024#FairValueInputsLevel2Memberhttp://www.veeco.com/20240930#AccruedAndOtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OperatingLeaseLiabilityNoncurrent 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the amounts reported in the financial statements and accompanying notes. Although these estimates are based on management's knowledge of current events and actions it may undertake in the future, actual results may differ from these estimates.

Revenue Recognition

Revenue is recognized upon the transfer of control of the promised product or service to the customer in an amount that reflects the consideration the Company expects to receive in exchange for such product or service. The Company's contracts with customers generally do not contain variable consideration. In the rare instances where variable consideration is included, the Company estimates the amount of variable consideration and determines what portion of that, if any, has a high probability of significant subsequent revenue reversal, and if so, that amount is excluded from the transaction price. The Company's contracts with customers frequently contain multiple deliverables, such as systems, upgrades, components, spare parts, installation, maintenance, and service plans. Judgment is required to properly identify the performance obligations within a contract and to determine how the revenue should be allocated among the performance obligations. The Company also evaluates whether multiple transactions with the same customer or related parties should be considered part of a single contract based on an assessment of whether the contracts or agreements are negotiated or executed within a short time frame of each other or if there are indicators that the contracts are negotiated in contemplation of one another.

When there are separate units of accounting, the Company allocates revenue to each performance obligation on a relative stand-alone selling price basis. The stand-alone selling prices are determined based on the prices at which the Company separately sells the systems, upgrades, components, spare parts, installation, maintenance, and service plans. For items that are not sold separately, the Company estimates stand-alone selling prices generally using an expected cost plus margin approach.

At Most of the Company's revenue is recognized at a point in time when the performance obligation is satisfied. The Company considers many facts when evaluating each of its sales arrangements to determine the timing of revenue recognition, including its contractual obligations and the nature of the customer's post-delivery acceptance provisions. The Company's system sales arrangements, including certain upgrades, generally include field acceptance provisions that may include functional or mechanical test procedures. For many of these arrangements, a customer source inspection of the system is performed in the Company's facility, test data is sent to the customer documenting that the system is functioning to the agreed upon specifications prior to delivery, or other quality assurance testing is performed.

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Notes to the Consolidated Financial Statements - continued (unaudited)

Internally to ensure system functionality prior to shipment. Historically, such source inspection or test data replicates the field acceptance provisions that are performed at the customer's site prior to final acceptance of the system. When the Company objectively demonstrates that the criteria specified in the contractual acceptance provisions are achieved prior to delivery either through customer testing or the Company's historical experience of its tools meeting specifications, transfer of control of the product to the customer is considered to have occurred and revenue is recognized upon system delivery since there is no substantive contingency remaining related to the acceptance provisions at that date. For new products, new applications of existing products, or for products with substantive customer acceptance provisions where the Company cannot objectively demonstrate that the criteria specified in the contractual acceptance provisions have been achieved prior to delivery, revenue and the associated costs are deferred. The Company recognizes such revenue and costs upon obtaining objective evidence that the acceptance provisions can be achieved, assuming all other revenue recognition criteria have been met.

At In certain cases the Company's contracts with customers contain a billing retention, which is billed by the Company and payable by the customer when field acceptance provisions are completed. Revenue recognized in advance of the amount that has been billed is recorded as a contract asset on the Consolidated Balance Sheets.

At The Company recognizes revenue related to maintenance and service contracts over time based upon the respective contract term. Installation revenue is recognized over time as the installation services are performed. The Company recognizes revenue from the sales of components, spare parts, and specified service engagements at a point in time, which is typically consistent with the time of delivery in accordance with the terms of the applicable sales arrangement.

At The Company may receive advanced payments on system transactions. The timing of the transfer of goods or services related to the advanced payments is either at the discretion of the customer or generally expected to be within one year from the advanced receipt. As such, the Company does not adjust transaction prices for the time value of money. Incremental direct costs incurred related to the acquisition of a customer contract, such as sales commissions, are expensed as incurred since the expected amortization period is one year or less.

The Company has elected to treat shipping and handling costs as a fulfillment activity, and the Company includes such costs in cost of sales when the Company recognizes revenue for the related goods. Taxes assessed by governmental authorities that are collected by the Company from a customer are excluded from revenue.

Inventories

Inventories are stated at the lower of cost or net realizable value, with cost determined on a first-in, first-out basis. Each quarter the Company assesses the valuation and recoverability of all inventories: materials (raw materials, spare parts, and service inventory); work-in-process; finished goods; and evaluation inventory at customer facilities. Obsolete inventory or inventory in excess of management's estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials, and other qualitative factors. Unanticipated changes in demand for the Company's products may require a write down of inventory, which would be reflected in cost of sales in the period the revision is made. Inventory acquired as part of a business combination is recorded at fair value on the date of acquisition.

Recent Accounting Standards Not Yet Adopted

In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280) "Improvements to Reportable Segment Disclosures. This standard primarily enhances disclosures about significant segment expenses. The standard requires interim and annual disclosure of significant segment expenses that are regularly provided to the chief operating decision-maker (CODM) and included within the reported measure of a segment's profit or loss, requires interim disclosures about a reportable segment's profit and loss and assets that are currently required annually, requires disclosure of the position and title of the CODM, clarifies circumstances in which an entity can disclose multiple 9 Table of Contents

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Notes to the Consolidated Financial Statements - continued (unaudited)

segment measures of profit or loss and contains other disclosure requirements. This authoritative guidance is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is evaluating the effect of this new guidance on its consolidated financial statements.

In December 2023, the FASB issued ASU 2023-09, Improvements to Income Tax Disclosures (Topic 740). This amendment requires public entities to disclose consistent categories and greater disaggregation of information in the rate reconciliation and for income taxes paid. It also includes certain other amendments to improve the effectiveness of income tax disclosures. This authoritative guidance will be effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is evaluating the effect of this new guidance on its consolidated financial statements.

Note 2

Income Per Common Share

Basic income per share is calculated by dividing net income by the weighted average number of shares outstanding during the period. Diluted income per share is calculated by dividing net income available to common shareholders by the weighted average number of shares used to calculate basic income per share plus the weighted average number of common share equivalents outstanding during the period. The dilutive effect of outstanding options to purchase common stock and share-based awards is considered in diluted income per share by application of the treasury stock method. The dilutive effect of performance share units is included in diluted income per common share if the performance targets have been achieved, or would have been achieved if the reporting date was the end of the contingency period. Finally, the Company includes the dilutive effect of shares issuable upon conversion of its Notes in the calculation of diluted income per share using the if-converted method. The Company has the option for the 2025 and 2027 Notes to settle the conversion value in any combination of cash or shares, and as such, the maximum number of shares issuable are included in the dilutive share count if the effect would be dilutive. The Company must settle the principal amount of the 2029 Notes in cash, and has the option to settle any excess of the conversion value over the principal amount in any combination of cash or shares. As such, the Company only includes the excess shares that may be issuable above the principal amount of the 2029 Notes in the dilutive share count, if the effect would be dilutive.

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Veeco Instruments Inc. and Subsidiaries

Notes to the Consolidated Financial Statements - continued (unaudited)

The computations of basic and diluted income per share for the three and nine months ended September 30, 2024 and 2023 are as follows:

	Three months ended September 30, 2024	Nine months ended September 30, 2024	Three months ended September 30, 2023	Nine months ended September 30, 2023
Basic weighted average shares outstanding	56,410	55,352	56,256	52,978
Effect of potentially dilutive share-based awards	1,606	1,391	1,606	1,329
Diluted weighted average shares outstanding	58,016	56,743	57,862	54,307
Net income	\$ 2,466	\$ 2,087	\$ 60,290	\$ 52,005
Interest expense associated with convertible notes	\$ 515	\$ 513	\$ 1,541	\$ 5,936
Net income (loss) available to common shareholders	\$ 2,466	\$ 2,087	\$ 60,290	\$ 52,005
Basic weighted average shares outstanding	56,410	55,352	56,256	52,978
Effect of potentially dilutive share-based awards	1,606	1,391	1,606	1,329
Diluted weighted average shares outstanding	58,016	56,743	57,862	54,307
Net income (loss) per common share	\$ 0.42	\$ 0.37	\$ 1.05	\$ 0.96
Basic weighted average shares outstanding	56,410	55,352	56,256	52,978
Effect of potentially dilutive share-based awards	1,606	1,391	1,606	1,329
Diluted weighted average shares outstanding	58,016	56,743	57,862	54,307
Net income (loss) per common share	\$ 0.42	\$ 0.37	\$ 1.05	\$ 0.96

The Company incurred a net loss and their effect would be antidilutive.

At In the Consolidated Statements of Operations, the reduction was based on management's probability-weighted present value of consideration expected to be transferred during the remainder of the earn-out period. Additionally, during the nine months ended September 30, 2024, the Company paid \$1.8 million to the original selling shareholders associated with the settlement of a strategic target milestone. Total contingent consideration liability as of September 30, 2024 was \$17.7 million, included within Other liabilities on the Consolidated Balance Sheet.

Note 4

Assets

Investments

Short-term investments are generally classified as available-for-sale and reported at fair value, with unrealized gains and losses, net of tax, presented as a separate component of stockholders' equity under the caption Accumulated other comprehensive income in the Consolidated Balance Sheets. These securities may include U.S. treasuries, government agency securities, corporate debt, and commercial paper, all with maturities of greater than three months when purchased. All realized gains and losses and unrealized losses resulting from declines in fair value that are other than temporary are included in Other operating expense (income), net in the Consolidated Statements of Operations.

Fair value is the price that would be received for an asset or the amount paid to transfer a liability in an orderly transaction between market participants. Veeco classifies certain assets based on the following fair value hierarchy:

Level 1: Quoted prices in active markets that are unadjusted and accessible at the measurement date for identical, unrestricted assets or liabilities.

Level 2: Quoted prices for identical assets and liabilities in markets that are not active, quoted prices for similar assets and liabilities in active markets or financial instruments for which significant inputs are observable, either directly or indirectly.

Level 3: Prices or valuations that require inputs that are both significant to the fair value measurement and unobservable.

At A financial instrument's "level" within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Veeco has evaluated the estimated fair value of financial instruments using available market information and valuations as provided by third-party sources. The use of different market assumptions or estimation methodologies could have a significant effect on the estimated fair value amounts.

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Veeco Instruments Inc. and Subsidiaries

Notes to the Consolidated Financial Statements - continued (unaudited)

The following table presents the portion of Veeco's assets that were measured at fair value on a recurring basis at September 30, 2024 and December 31, 2023:

	September 30, 2024	December 31, 2023
Level 1	\$ 62,838	\$ 62,838
Level 2	\$ 86,141	\$ 157,534
Level 3	\$ 157,423	\$ 174
Total	\$ 249,402	\$ 249,402

Cash equivalents

Cash equivalents consist of certificates of deposits and time deposits.

At September 30, 2024, cash equivalents consisted of \$62,838 and \$62,838, respectively. At December 31, 2023, cash equivalents consisted of \$62,838 and \$62,838, respectively.

U.S. treasuries

U.S. treasuries consist of U.S. government agency securities.

At September 30, 2024, U.S. treasuries consisted of \$86,141 and \$157,534, respectively. At December 31, 2023, U.S. treasuries consisted of \$86,141 and \$157,534, respectively.

Corporate debt

Corporate debt consists of corporate debt.

At September 30, 2024, corporate debt consisted of \$157,423 and \$174, respectively. At December 31, 2023, corporate debt consisted of \$157,423 and \$174, respectively.

Commercial paper

Commercial paper consists of commercial paper.

At September 30, 2024, commercial paper consisted of \$157,423 and \$174, respectively. At December 31, 2023, commercial paper consisted of \$157,423 and \$1

23,262,626 (33) 2,618 (15) Total 101,265 (14) 2,618 (15) The contractual maturities of securities classified as available-for-sale at September 30, 2024 were as follows: 145,489 Due after one year through two years 12,068 12,045 Total 157,423 157,534 Table of Contents Veeco Instruments Inc. and Subsidiaries Notes to the Consolidated Financial Statements - continued (unaudited) Actual maturities may differ from contractual maturities because borrowers may have the right to call or prepay obligations with or without call or prepayment penalties. There were no realized gains or losses, or unrealized losses from declines in fair value that are other than temporary, for the nine months ended September 30, 2024 and 2023. Accounts Receivable Accounts receivable is presented net of an allowance for doubtful accounts of \$1.0 million at September 30, 2024 and December 31, 2023. The Company considers its current expectations of future economic conditions when estimating its allowance for doubtful accounts. Inventories Inventories at September 30, 2024 and December 31, 2023 consist of the following: 81,509 71,278 Finished goods 6,363 6,183 Evaluation inventory 22,806 20,290 Total 242,123 237,635 Prepaid Expenses and Other Current Assets Prepaid expenses and other current assets primarily consist of supplier deposits, prepaid value-added tax, lease deposits, prepaid insurance, prepaid software and maintenance, and other receivables. The Company had deposits with its suppliers of \$18.9 million and \$19.4 million at September 30, 2024 and December 31, 2023, respectively. Property, Plant, and Equipment Plant, plant, and equipment at September 30, 2024 and December 31, 2023 consist of the following: 61,504 61,679 Machinery and equipment (1) 187,594 181,180 Leasehold improvements 53,029 52,913 Gross property, plant, and equipment 307,188 300,833 Less: accumulated depreciation and amortization 194,511 182,374 Net property, plant, and equipment 112,677 118,459 Machinery and equipment also includes software, furniture and fixtures. For the three and nine months ended September 30, 2024, depreciation expense was \$4.5 million and \$13.8 million, respectively and \$4.1 million and \$12.3 million, respectively, for the comparable 2023 periods. 15 Table of Contents Veeco Instruments Inc. and Subsidiaries Notes to the Consolidated Financial Statements - continued (unaudited) Goodwill Goodwill represents the future economic benefits arising from assets acquired in a business combination that are not individually identified and separately recognized. There were no changes to goodwill during the nine months ended September 30, 2024. Intangible Assets Intangible assets consist of purchased technology, customer relationships, patents, trademarks and tradenames, licenses, and backlog, and are initially recorded at fair value. Long-lived intangible assets are amortized over their estimated useful lives in a method reflecting the pattern in which the economic benefits are consumed or amortized on a straight-line basis if such pattern cannot be reliably determined. The components of purchased intangible assets were as follows: 61,504 61,679 Accumulated amortization 53,029 52,913 Accumulated impairment 6,363 6,183 Gross 112,677 118,459 Amortization 194,511 182,374 Carrying amount 321,923 34,005 Customer relationships 146,925 139,166 7,759 146,925 137,649 9,276 Trademarks and tradenames 30,910 30,910 30,910 30,910 30,910 30,910 Other 3,746 3,746 3,746 3,746 3,746 3,746 Total 537,509 498,967 38,542 537,509 493,564 Other intangible assets primarily consist of patents, licenses, and backlog. Note 5. Liabilities Accrued Expenses and Other Current Liabilities The components of accrued expenses and other current liabilities at September 30, 2024 and December 31, 2023 consist of: 8,952 8,864 Operating lease liabilities 3,602 4,025 Interest 2,837 1,149 Professional fees 1,953 1,834 Income, sales, use, and other taxes 5,422 1,825 Contingent consideration 1,814 Other 3,876 9,792 Total 57,117 57,624 Table of Contents Veeco Instruments Inc. and Subsidiaries Notes to the Consolidated Financial Statements - continued (unaudited) Warranty Warranties are typically valid for one year from the date of system final acceptance. The Company estimates the costs that may be incurred under the warranty which are determined by analyzing specific product and historical configuration statistics and regional warranty support costs and are affected by product failure rates, material usage, and labor costs incurred in correcting product failures during the warranty period. Unforeseen component failures or exceptional component performance can also result in changes to warranty costs. Changes in product warranty reserves for the nine months ended September 30, 2024 include: 8,864 8,864 Consumption of reserves 4,526 Changes in estimate 490 Balance - September 30, 2024 8,952 Contract Liabilities and Performance Obligations Contract liabilities consist of unsatisfied performance obligations related to advanced payments received and billing in excess of revenue recognized. The contract liability balance as of December 31, 2023 was approximately \$118.0 million, of which the Company recognized approximately \$79.5 million in revenue during the nine months ended September 30, 2024. This reduction in contract liabilities was offset in part by new billings for products and services which were unsatisfied performance obligations to customers and revenue had not yet been recognized as of September 30, 2024. As of September 30, 2024, the Company has approximately \$69.2 million of remaining performance obligations on contracts with an original estimated duration of one year or more, of which approximately 85% is expected to be recognized within one year, with the remaining amounts expected to be recognized between one to three years. The Company has elected to exclude disclosures regarding remaining performance obligations that have an original expected duration of one year or less. Convertible Senior Notes 2023 Notes On January 10, 2017, the Company issued \$345.0 million of 2.70% convertible senior unsecured notes due 2023 (the 2023 Notes). The 2023 Notes had a maturity date of January 15, 2023, unless earlier purchased by the Company, redeemed, or converted. The Company repurchased and retired approximately \$111.5 million and \$213.3 million of aggregate principal amount of its outstanding 2023 Notes during the years ended December 31, 2021 and December 31, 2020, respectively. The 2023 Notes that remained outstanding matured on January 15, 2023 and were paid in cash and settled by the Company at that time. 2025 Notes On November 17, 2020, as part of the privately negotiated exchange agreement, the Company issued \$132.5 million of 3.50% convertible senior notes due 2025 (the 2025 Notes). The 2025 Notes bear interest at a rate of 3.50% per year, 17 Table of Contents Veeco Instruments Inc. and Subsidiaries Notes to the Consolidated Financial Statements - continued (unaudited) payable semiannually in arrears on January 15 and July 15 of each year, commencing on July 15, 2021. The 2025 Notes mature on January 15, 2025, unless earlier purchased by the Company, redeemed, or converted. On May 19, 2023, in connection with the completion of a private offering of \$230.0 million aggregate principal amount of 2.875% convertible senior notes due 2029 described below, the Company repurchased and retired approximately \$106.0 million in aggregate principal amount of its outstanding 2025 Notes, with a carrying amount of \$105.4 million, for approximately \$106.0 million of cash and 0.7 million shares of the Company's common stock. The Company accounted for the partial settlement of the 2025 Notes as an extinguishment, and as such, recorded a loss on extinguishment of approximately \$16.5 million for the year ended December 31, 2023. 2027 Notes On May 18, 2020, the Company completed a private offering of \$125.0 million of 3.75% convertible senior notes due 2027 (the 2027 Notes). The Company received net proceeds of approximately \$121.9 million, after deducting underwriting discounts and fees and expenses payable by the Company. Additionally, the Company used approximately \$10.3 million of cash to purchase capped calls, discussed below. The 2027 Notes bear interest at a rate of 3.75% per year, payable semiannually in arrears on June 1 and December 1 of each year, commencing on December 1, 2020. The 2027 Notes mature on June 1, 2027, unless earlier purchased by the Company, redeemed, or converted. On May 19, 2023, in connection with the completion of a private offering of \$230.0 million aggregate principal amount of 2.875% convertible senior notes due 2029 described below, the Company repurchased and retired approximately \$100.0 million in aggregate principal amount of its outstanding 2027 Notes, with a carrying amount of \$98.5 million, for approximately \$92.8 million of cash and 3.8 million shares of the Company's common stock. The Company accounted for the partial settlement of the 2027 Notes as an extinguishment, and as such, recorded a loss on extinguishment of approximately \$80.6 million for the year ended December 31, 2023. 2029 Notes On May 19, 2023, the Company completed a private offering of \$230.0 million of 2.875% convertible senior notes due 2029 (the 2029 Notes). The Company received net proceeds of approximately \$223.2 million, after deducting underwriting discounts and fees and expenses payable by the Company. Additionally, the Company used approximately \$198.8 million of net proceeds from the offering to fund the cash portion of the 2025 Notes and 2027 Notes extinguishments described above and the remainder for general corporate purposes. The 2029 Notes bear interest at a rate of 2.875% per year, payable semiannually in arrears on June 1 and December 1 of each year, commencing on December 1, 2023. The 2029 Notes mature on June 1, 2029, unless earlier purchased by the Company, redeemed, or converted. The Company will settle any conversions of the 2029 Notes by paying cash up to the aggregate principal amount of the 2029 Notes to be converted, and paying or delivering either cash, shares of Company's common stock, or a combination of cash and shares of common stock at the Company's election, in respect of the remainder, if any, of the conversion obligation in excess of the aggregate principal amount of the 2029 Notes being converted. The 2025 Notes, 2027 Notes, and 2029 Notes (collectively, the 2025 Notes) are unsecured senior obligations of Veeco and rank senior in right of payment to any of Veeco's subordinated indebtedness; equal in right of payment to all of Veeco's unsecured indebtedness that is not subordinated; effectively subordinated in right of payment to any of Veeco's secured indebtedness to the extent of the value of the assets securing such indebtedness; and structurally subordinated to all indebtedness and other liabilities (including trade payables) of Veeco's subsidiaries. The Company may redeem for cash, at its option, all or any portion of (i) the outstanding 2025 Notes at any time on or after January 15, 2023, (ii) the outstanding 2027 Notes at any time on or after June 6, 2024 and/or (iii) the outstanding 2029 Notes at any time on or after June 8, 2026, in each case, at a redemption price equal to 100% of the principal amount of such Notes to be redeemed plus accrued and unpaid interest to, but excluding, the redemption date, if the last 18 Table of Contents Veeco Instruments Inc. and Subsidiaries Notes to the Consolidated Financial Statements - continued (unaudited) reported sale price of the common stock has been at least 130% of the conversion price for the applicable series of Notes then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which the Company provides the redemption notice. Upon the Company's notice of redemption, holders may elect to convert their Notes based on the conversion rates and criteria outlined below. The Notes are convertible at the option of the holders upon the satisfaction of specified conditions and during certain periods as described below. The initial conversion rates are 61.6667, 71.5372, and 34.21852 shares of the Company's common stock per \$1,000 principal amount of the 2025 Notes, 2027 Notes, and 2029 Notes, respectively, representing initial effective conversion prices of \$24.00, \$13.98, and \$29.224 per share of common stock, respectively. The conversion rates may be subject to adjustment upon the occurrence of certain specified events. Holders may convert all or any portion of their Notes, in multiples of one thousand dollar principal amount, at their option at any time prior to the close of business on the business day immediately preceding October 15, 2024, with respect to the 2025 Notes, October 1, 2026, with respect to the 2027 Notes, and February 1, 2029 with respect to the 2029 Notes, only under the following circumstances: (i) During any calendar quarter (and only during such calendar quarter), if the last reported sale price of the common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on the last trading day of the immediately preceding calendar quarter is greater than or equal to 130% of the conversion price on each applicable trading day; (ii) During the five consecutive business day period after any five consecutive trading day period (the measurement period) in which the trading price per one thousand dollar principal amount of Notes for each trading day of the measurement period was less than 98% of the product of the last reported sale price of Veeco's common stock and the conversion rate on each such trading day; (iii) If the Company calls any or all of applicable series of the Notes for redemption at any time prior to the close of business on the scheduled trading day immediately preceding the redemption date; or (iv) Upon the occurrence of specified corporate events. For the calendar quarter ended September 30, 2024, the last reported sales price of the common stock during the 30 consecutive trading days, based on the criteria outlined in (i) above, was greater than 130% of the conversion price of the 2025 and 2027 Notes, and as such are convertible by the holders until December 31, 2024. Holders may convert their Notes at any time, regardless of the foregoing circumstances, on October 15, 2024 with respect to the 2025 Notes, October 1, 2026 with respect to the 2027 Notes, and February 1, 2029 with respect to the 2029 Notes, until the close of business on the business day immediately preceding the respective maturity date. In regards to the 2025 Notes, the Company has elected an all-share settlement method upon conversion of the Notes, and has delivered notice of this election to the Trustee in accordance with the terms of the 2025 Notes. The Notes are recorded as a single unit within liabilities in the consolidated balance sheets as the conversion features within the Notes are not derivatives that require bifurcation and the Notes do not involve

The Credit Facility is secured by a first-priority lien on substantially all of the assets of the Company, subject to customary exceptions. The Credit Facility has a term of five years, maturing on December 16, 2026, or earlier if certain liquidity measures are not met prior to the 2025 Notes maturing. A Subject to certain conditions and the receipt of commitments from the lenders, the Loan and Security Agreement allows for revolving commitments under the Credit Facility to be increased by up to \$75 million. The existing lenders under the Credit Facility are entitled, but not obligated, to provide such incremental commitments. On August 2, 2024, the Company obtained commitments from lenders to increase the Credit Facility by \$75 million, and as such the total available under the revised Credit Facility is \$225 million. All borrowings will bear interest at a floating rate which can be, at the Company's option, either (a) an alternate base rate plus an applicable rate ranging from 0.50% to 1.25% or (b) a Secured Overnight Financing Rate (SOFR) (with a floor of 0.00%) for the specified interest period plus an applicable rate ranging from 1.50% to 2.25%, in each case, depending on the Company's Secured Net Leverage Ratio (as defined in the Loan and Security Agreement). The Company will pay an unused commitment fee ranging from 0.25% to 0.35% based on unused capacity under the Credit Facility and the Company's Secured Net Leverage Ratio. The Company may use the proceeds of borrowings under the Credit Facility to pay transaction fees and expenses, provide for its working capital needs and reimburse drawings under letters of credit and for other general corporate purposes. The Loan and Security Agreement contains customary affirmative covenants for transactions of this type, including, among others, the provision of financial and other information to the administrative agent, notice to the administrative agent upon the occurrence of certain material events, preservation of existence, maintenance of properties and insurance, compliance with laws, including environmental laws, the provision of additional guarantees, and an affiliate transactions covenant, subject to certain exceptions. The Loan and Security Agreement contains customary negative covenants, including, among others, restrictions on the ability to merge and consolidate with other companies, incur indebtedness, refinance our existing convertible notes, grant liens or security interests on assets, make investments, acquisitions, loans, or advances, pay dividends, and sell or otherwise transfer assets. The Loan and Security Agreement contains financial maintenance covenants that require the Borrower to maintain an Interest Coverage Ratio (as defined in the Loan and Security Agreement) of not less than 3.00x to 1.00, a Total Net Leverage Ratio (as defined in the Loan and Security Agreement) of not more than 4.50x to 1.00, and a Secured Net Leverage Ratio (as defined in the Loan and Security Agreement) of not more than 2.50x to 1.00, in each case, tested at the end of each fiscal quarter commencing with the fiscal quarter ending September 30, 2022. The Loan and Security Agreement also provides for a number of customary events of default, including, among others: payment defaults to the lenders; voluntary and involuntary bankruptcy proceedings; covenant defaults; material inaccuracies of representations and warranties; certain change of control events; material money judgments; and other customary events of default. The occurrence of an event of default could result in the acceleration of obligations and the termination of lending commitments under the Loan and Security Agreement. No amounts were outstanding under the Credit Facility as of September 30, 2024 or December 31, 2023.

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Veeco Instruments Inc. and Subsidiaries

Notes to the Consolidated Financial Statements - continued (unaudited)

Other Liabilities

Other liabilities at September 30, 2024 and December 31, 2023 were approximately \$21.0 million and \$25.5 million, respectively, which primarily included contingent consideration of \$17.7 million and \$22.4 million, respectively; medical and dental benefits from former executives of \$1.9 million; and asset retirement obligations of \$0.9 million.

Note 6 – Commitments and Contingencies

Leases

The Company's operating leases primarily include real estate leases for properties used for manufacturing, R&D activities, sales and service, and administration, as well as certain equipment leases. Some leases may include options to renew for a period of up to 5 years, while others may include options to terminate the lease. The weighted average remaining lease term of the Company's operating leases as of September 30, 2024 was 11 years, and the weighted average discount rate used in determining the present value of future lease payments was 5.7%. The following table provides the maturities of lease liabilities at September 30, 2024:

Operating Lease Liabilities at September 30, 2024
Payments due by period:
• 2024: \$870,256
• 2025: \$4,253,026
• 2026: \$4,528,207
• 2027: \$4,370,288
• Thereafter: \$4,170
Total future minimum lease payments: \$53,102
Less: Imputed interest: \$(15,079)
Total: \$38,023

Reported as of September 30, 2024

Accrued expenses and other current liabilities: \$3,602

Long-term operating lease liabilities: \$34,421

Total: \$38,023

Operating lease costs for the three and nine months ended September 30, 2024 were \$1.2 million and \$3.6 million, respectively, and \$1.2 million and \$3.8 million, respectively for the comparable 2023 period. Variable lease costs for the three and nine months ended September 30, 2024 were \$0.3 million and \$1.0 million, respectively, and \$0.3 million and \$0.9 million, respectively for the comparable 2023 period. Additionally, the Company has an immaterial amount of short-term leases. Cash outflows from operating leases for the nine months ended September 30, 2024 and 2023 were \$5.0 million and \$4.4 million, respectively.

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Veeco Instruments Inc. and Subsidiaries

Notes to the Consolidated Financial Statements - continued (unaudited)

Receivable Purchase Agreement

The Company entered into a receivable purchase agreement with a financial institution to sell certain of its trade receivables from customers without recourse, up to \$30.0 million at any point in time. Pursuant to this agreement, the Company sold no receivables for the three months and \$8.0 million for the nine months ended September 30, 2024, and \$30.0 million was available under the agreement for additional sales of receivables as of September 30, 2024. The Company sold \$8.8 million and \$27.0 million, respectively, of receivables under this agreement for the three and nine months ended September 30, 2023. The net sale of accounts receivable under the agreement is reflected as a reduction of accounts receivable in the Company's Consolidated Balance Sheet at the time of sale and any fees for the sale of trade receivables were not material for the periods presented.

Purchase Commitments

Veeco has purchase commitments of \$174.4 million at September 30, 2024, substantially all of which become due within one year. Bank Guarantees

Veeco has bank guarantees and letters of credit issued by a financial institution on its behalf as needed. At September 30, 2024, outstanding bank guarantees and standby letters of credit totaled \$23.3 million, and unused bank guarantees and letters of credit of \$18.4 million were available to be drawn upon.

Legal Proceedings

The Company is involved in various legal proceedings arising in the normal course of business. The Company does not believe that the ultimate resolution of these matters will have a material adverse effect on its consolidated financial position, results of operations, or cash flows.

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Veeco Instruments Inc. and Subsidiaries

Notes to the Consolidated Financial Statements - continued (unaudited)

Note 7 – Equity

Equity

Statement of Stockholders' Equity

The following tables present the changes in Stockholders' Equity:

Comprehensive Income	Shares	Amount	Capital	Deficit	Income	Total
(in thousands)	Balance at December 31, 2023	56,364	\$ 564	\$ 1,202,440	\$ (532,169)	\$ 672,442
Net income						\$ 1,854
Other comprehensive income (loss), net of tax						\$ 28
Share-based compensation expense						\$ 8,082
Net issuance under employee stock plans						\$ 273
Balance at March 31, 2024						\$ 56,637
Net income						\$ 1,196,180
Other comprehensive income (loss), net of tax						\$ (510,315)
Share-based compensation expense						\$ 1,479
Net issuance under employee stock plans						\$ 687,910
Balance at June 30, 2024						\$ 56,773
Net income						\$ 1,233
Other comprehensive income (loss), net of tax						\$ 9,233
Share-based compensation expense						\$ 136
Net issuance under employee stock plans						\$ 2,935
Balance at June 30, 2024						\$ 56,773
Net income						\$ 1,233
Other comprehensive income (loss), net of tax						\$ 9,233
Share-based compensation expense						\$ 136
Net issuance under employee stock plans						\$ 2,935
Balance at September 30, 2024						\$ 56,773

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Veeco Instruments Inc. and Subsidiaries

Notes to the Consolidated Financial Statements - continued (unaudited)

Note 8 – Share-based Compensation

Restricted share awards are issued to employees and to members of our board of directors that are subject to specified restrictions and a risk of forfeiture. The restrictions typically lapse over one to four years and may entitle holders to dividends and voting rights. Other types of share-based compensation include performance share awards, performance share units, and restricted share units (collectively with restricted share awards, "restricted shares"), as well as options to purchase common stock. Share-based compensation expense was recognized in the following line items in the Consolidated Statements of Operations for the three and nine months ended September 30, 2024 and 2023:

Share-based Compensation Expense
• 2024: \$2,464
• 2023: \$2,614

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Veeco Instruments Inc. and Subsidiaries

Notes to the Consolidated Financial Statements - continued (unaudited)

Note 9 – Income Taxes

Income taxes are estimated for each of the jurisdictions in which the Company operates. Deferred income taxes reflect the net tax effect of temporary differences between the carrying amount of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes, as well as the tax effect of carryforwards. Realization of net deferred tax assets is dependent on future taxable income. At the end of each interim reporting period, the effective tax rate is aligned with expectations for the full year. This estimate is used to determine the income tax provision on a year-to-date basis and may change in subsequent interim periods.

Income before income taxes and income tax expense for the three and nine months ended September 30, 2024 and 2023 were as follows:

Income before income taxes and income tax expense
• 2024: \$2,464
• 2023: \$2,614

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Veeco Instruments Inc. and Subsidiaries

Notes to the Consolidated Financial Statements - continued (unaudited)

Note 10 – Intangible Assets

The Company's intangible assets consist of developed technology, patents, customer relationships, and other intangible assets. These assets are amortized over their useful lives. The Company's intangible assets were \$1.2 million and \$1.1 million as of September 30, 2024 and September 30, 2023, respectively. Amortization expense for the three and nine months ended September 30, 2024 and 2023 was \$0.1 million and \$0.1 million, respectively.

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Veeco Instruments Inc. and Subsidiaries

Notes to the Consolidated Financial Statements - continued (unaudited)

Note 11 – Segment Reporting

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Our forecasts, estimates, objectives, plans, intentions, wills and similar expressions related to the future are intended to identify forward-looking statements. All forward-looking statements are subject to a number of risks and uncertainties that could cause actual results to differ materially from projected results. You should not place undue reliance on any forward-looking statements, which speak only as of the dates they are made.

Executive Summary We are an innovative manufacturer of semiconductor process equipment. Our proven ion beam, laser annealing, lithography, MOCVD, CVD, and single wafer wet processing technologies play an integral role in the fabrication and packaging of advanced semiconductor devices. With equipment designed to optimize performance, yield and cost of ownership, Veeco holds leading technology positions in the markets we serve. To learn more about Veeco's systems and service offerings, visit www.veeco.com.

Business Update The Semiconductor industry has historically been cyclical based on fluctuations in global chip demand and production capacity. Sales in the Semiconductor industry declined in 2023 to approximately \$550 billion dollars after several years of growth following the pandemic. Looking ahead, industry analysts are forecasting long-term growth of the industry, driven by secular growth trends such as artificial intelligence, high-performance computing, mobile connectivity, and the electrification of the automotive industry. Additionally, government investments in the Semiconductor industry are projected to accelerate global spending in next-generation technologies. Growth in the Semiconductor industry, coupled with increasing technological complexity of Semiconductor chips, are expected to drive long-term growth in Wafer Fab Equipment (WFE) spending. In an effort to improve chip performance, optimize power consumption, and reduce costs, today's most advanced Semiconductor manufacturers are shrinking device geometries, investing in more complex transistor designs such as Gate-All-Around with backside power delivery and exploring 3D architectures. As a result, growth of the WFE market is forecasted to keep pace with long-term growth of the Semiconductor industry, which we believe should benefit semiconductor capital equipment providers, including Veeco.

Our strategy of investing in advanced logic and memory has enabled our Semiconductor business to outperform WFE growth for 3 consecutive years. Veeco's technologies are at the forefront of enabling new technical innovations in the manufacture of high-performance AI chips and High-Bandwidth Memory (HBM). We continue to invest in new technologies to expand our Served Available Market (SAM) to a broad range of new applications. Semiconductor revenue increased by 26% in the third quarter 2024 from the comparable prior year period, comprising 67% of total revenue. This increase was driven by leading-edge foundry logic customers across several product lines. Our laser annealing solutions continue to gain acceptance at advanced logic nodes, highlighted by recent order activity involving both new and existing customers. In 2023, we received orders from a new Tier 1 logic customer for advanced anneal applications and have continued to ship systems to this customer in 2024. Also in 2024, we've shipped systems to, and received laser annealing orders from, several leading-edge logic customers, including shipments and orders for customers' Gate-All-Around processes. In the memory market, we continue to ship systems to a Tier 1 customer for high volume production of HBM and advanced DRAM devices. While our growth strategy is predominately focused on advanced node logic and memory, LSA shipments to mature node customers have increased in 2023 and 2024 versus prior years, predominantly driven by new greenfield fabs and capacity additions in China.

Table of Contents We achieved a significant milestone in the fourth quarter of 2023 by shipping two next generation laser annealing systems to Tier 1 foundry and logic customers for evaluation. This next generation system, the NSA500, covers the nano-second annealing regime and complements our LSA product. This new system is part of our continued effort to enable our customers' product roadmap by providing innovative annealing solutions. Nanosecond annealing provides Veeco with an opportunity to expand our laser annealing SAM for new advanced node logic and memory applications, including low thermal budget anneals for: Gate-All-Around transistors, advanced 3D devices and for backside power delivery. The ongoing adoption of EUV Lithography for advanced node semiconductor manufacturing continues to drive demand for our Ion Beam Deposition system for mask blanks, the IBD-EUV. Leading logic and memory customers expect EUV and High-NA lithography to be integral to their future roadmaps, which our Ion Beam Deposition technology is a key enabler of. Our product roadmap is well positioned as the industry adopts next-generation High-NA EUV lithography, and we're expanding to our EUV related business to new mask blank applications. We achieved another significant milestone in the fourth quarter of 2023 by shipping our new Ion Beam Deposition IBD300 system to two leading memory customers for evaluation. Our IBD300 system provides Veeco with another opportunity to expand our SAM to advanced node applications where low resistance films are critical. These initial systems are being evaluated for advanced memory applications, such as DRAM bitline. In Advanced Packaging, our Wet Processing systems are used for several applications, and we continue to see strong demand driven by Heterogenous Integration and 3D Packaging for AI. We recently announced over \$50 million in orders for our Wet Processing systems from a leading foundry, a HBM manufacturer, and OSATs. Our Advanced Packaging lithography systems are used for packaging applications such as fan out wafer level packaging and other advanced packaging solutions. After two years of slow order activity driven by consumer markets, we're beginning to see an increase in quoting and order activity from IDM's, foundries, and OSATs driven by capacity expansions for AI and mobile markets. Given our revenue to date and visibility, we expect year-over-year growth in Semiconductor revenue in 2024. Looking ahead, we're seeing growth in leading-edge investment driven by new nodes and AI-related demand, including investment in Gate-All-Around nodes, High-Bandwidth Memory, and 3D packaging for AI. At the same time, recent engagement with customers in China has moderated, resulting in expectations for a normalization in China revenue heading into 2025. Veeco also serves customers in the Compound Semiconductor, Data Storage, and Scientific & Other markets. We address the Compound Semiconductor market with a broad portfolio of technologies, including Wet Processing, MOCVD, MBE and Ion Beam, for Power Electronics, Photonics, and 5G RF applications. Sales in the Compound Semiconductor market declined in the third quarter of 2024 from the comparable prior year period. We expect revenue in the Compound Semiconductor market to be down in 2024. Looking ahead, in the SiC market, the slowdown in EV adoption has weakened demand as some customers continue their transition to 200mm production. In GaN Power, emerging use cases have driven some traditional silicon power electronics manufacturers to consider adoption of GaN at 300mm, and we're also seeing opportunities in photonics in areas such as solar and MicroLEDs. We address the Data Storage market with sales of our Ion Beam technology. Demand for our Ion Beam products is driven by demand for cloud-based storage. Compared to 2023, we expect revenue from our Data Storage products to be up in 2024 as we execute planned shipments in our backlog. Looking ahead, while customer utilizations are improving, they remain well below peak levels from a few years ago and customers are not investing to expand capacity in 2025. As a result, we expect an approximate \$70 million reduction in revenue in our Data Storage business in 2025. Sales in the Scientific & Other market are largely driven by sales to governments, universities, and research institutions. We address the Scientific & Other market with several technologies, including MBE, ALD, MOCVD, Wet Processing, and IBD/IBE, which support scientific, optical coating and other applications, and sales in this market declined in the third quarter 2024 from the comparable prior year period. We expect revenue in the Scientific & Other market to be flat to down in 2024.

Results of Operations For the three months ended September 30, 2024 and 2023, the following table presents revenue and expense line items reported in our Consolidated Statements of Operations for the indicated periods in 2024 and 2023 and the period-over-period dollar and percentage changes for those line items. Our results of operations are reported as one business segment, represented by our single operating segment.

Three Months Ended September 30,

Change	2024	2023	Period to Period	(dollars in thousands)	Net sales	184,807	100%	177,366	100%
Cost of sales	105,596	57%	100,489	57%	5,107	5%	79,211	43%	
Operating expenses, net	2,334	3%	2,814	13%	478	3%	28,817	16%	
Selling, general, and administrative	25,291	14%	22,814	13%	2,477	11%	1,687	1%	
Other operating expense	(4,318)	(2)%	860	0%	(5,178)	(6)%	2,148	1%	
Operating income	24,335	13%	22,633	13%	1,702	9%	2,148	1%	
Interest income (expense), net	323	0%	247	0%	76	3%	2,707	1%	
Income (loss) before income taxes	24,658	13%	22,510	13%	2,148	10%	2,707	1%	
Income tax expense (benefit)	(2,951)	(12)%	(2,574)	(14)%	(377)	(3)%	(2,951)	(12)%	
Net income (loss)	21,707	12%	19,936	12%	1,771	10%	2,707	1%	

Three Months Ended September 30,

Change	2024	2023	Period to Period	(dollars in thousands)	Sales by end-market	124,143	67%	98,155	56%
Compound Semiconductor	15,566	8%	25,666	14%	(10,110)	(39)%	32,750	18%	
Data Storage	32,750	18%	33,957	19%	(1,207)	(4)%	12,358	7%	
Scientific & Other	19,588	11%	(7,230)	(37)%	184,807	100%	177,366	100%	
Geographic region	184,807	100%	58,337	33%	870	1%	4,988	5%	
China	54,590	30%	40,823	23%	13,767	34%	60,969	33%	
Rest of World	143,217	80%	109,544	61%	177,366	100%	116,397	66%	

Sales increased for the three months ended September 30, 2024 against the comparable prior year period driven by sales in the Semiconductor market, partially offset by decreases in sales in the Compound Semiconductor, Scientific & Other, 30 Table of Contents and Data Storage markets. By geography, sales increased in the China and the Rest of APAC region, partially offset by decreases in the EMEA region. Sales in the Rest of APAC region for the three months ended September 30, 2024 included sales in Taiwan and Japan of \$49.9 million, and \$4.0 million respectively. Sales in the Rest of APAC region for the three months ended September 30, 2023 included sales in Japan and Taiwan of \$29.5 million, and \$12.3 million respectively. We expect there will continue to be a year-to-year variations in our future sales distribution across markets and geographies. In light of the global nature of our business, we are impacted by conditions in the various countries in which we and our customers operate. Gross Profit For the three months ended September 30, 2024, gross profit increased against the comparable prior period primarily due to an increase in sales volume, with gross margins remaining consistent. We expect our gross margins to fluctuate each period due to product mix and other factors. Research and Development The markets we serve are characterized by continuous technological development and product innovation, and we invest in various research and development initiatives to maintain our competitive advantage and achieve our growth objectives. Research and development expenses increased for the three months ended September 30, 2024 against the comparable prior period primarily due to an increase in project materials and personnel-related expenses as we invest in new research and development and additional applications for our technology in order to be well-positioned to capitalize on emerging global megatrends and support longer term growth in Semiconductor and Compound Semiconductor markets. Selling, General, and Administrative Selling, general, and administrative expenses increased for the three months ended September 30, 2024 against the comparable prior period primarily due to higher variable expenses associated with the increase in revenue and profitability. Amortization Expense Amortization expense decreased compared to the comparable prior year period primarily due to changes in amortization expense to reflect expected cash flows of certain intangible assets, as well as certain other intangible assets becoming fully amortized. Other Operating Expense (Income), Net Other operating expense decreased compared to the comparable prior year period primarily due to changes in the expected earn-out payment to the previous shareholders of Epluvac. Interest Income (Expense) We recorded net interest income of \$0.3 million for the three months ended September 30, 2024, compared to net interest income of \$0.2 million for the comparable prior year period. The increase in net interest income was primarily due to higher interest rates for the three months ended September 30, 2024, against the comparable prior year period. Income Taxes At the end of each interim reporting period, we estimate the effective income tax rate expected to be applicable for the full year. This estimate is used to determine the income tax provision or benefit on a year-to-date basis and may change in subsequent interim periods.

Table of Contents Our tax expense for the three months ended September 30, 2024, was \$2.7 million, compared to \$2.1 million of tax benefit for the comparable prior period. For the three months ended September 30, 2024, the effective tax rate was lower than the U.S. statutory tax rate primarily relating to tax benefits related to Foreign-Derived Intangible Income and research and development tax credits.

I, **John P. Kiernan**, certify that I am a duly authorized officer or director of Veeco Instruments Inc. ("Veeco") and have reviewed this quarterly report on Form 10-Q for the period ended September 30, 2024 of Veeco Instruments Inc. ("Veeco") based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; and I am responsible for establishing and maintaining disclosure controls and procedures as defined in Exchange Act Rules 13a-15(e) and 15d-15(e) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; and I am responsible for designing such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; and I have evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and I disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and I, **John P. Kiernan**, the registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions), the registrant's ability to record, process, summarize and report financial information; and (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

JOHN P. KIERNAN, Senior Vice President and Chief Financial Officer of Veeco Instruments Inc., dated November 6, 2024 at EX-32.1 vcco-20240930xex32d1.htm EX-32.1 Exhibit 32.2a-CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002, in connection with the quarterly report of Veeco Instruments Inc. (the "Company") on Form 10-Q for the period ended September 30, 2024 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, **John P. Kiernan**, Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

WILLIAM J. MILLER, Ph.D., Chief Executive Officer of Veeco Instruments Inc., dated November 6, 2024 at EX-32.2 vcco-20240930xex32d2.htm EX-32.2 Exhibit 32.2a-CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002, in connection with the quarterly report of Veeco Instruments Inc. (the "Company") on Form 10-Q for the period ended September 30, 2024 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, **John P. Kiernan**, Senior Vice President and Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

JOHN P. KIERNAN, Senior Vice President and Chief Financial Officer of Veeco Instruments Inc., dated November 6, 2024 at EX-32.3 vcco-20240930xex32d3.htm EX-32.3 Exhibit 32.2a-CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002, in connection with the quarterly report of Veeco Instruments Inc. (the "Company") on Form 10-Q for the period ended September 30, 2024 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, **John P. Kiernan**, Senior Vice President and Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Consideration, Liability Increase (decrease) in contingent consideration Change in contingent consideration Increase (Decrease) in Operating Capital [Abstract] Changes in operating assets and liabilities: The increase (decrease) during the reporting period in amount due within one year (or one business cycle) from customers for the credit sale of goods and services and contract assets. Increase Decrease in Accounts Receivable and Contract Assets Accounts receivable and contract assets Increase (Decrease) in Inventories Inventories Increase (Decrease) in Prepaid Expense and Other Assets Prepaid expenses and other current assets Increase (Decrease) in Accounts Payable and Accrued Liabilities Accounts payable and accrued expenses Increase (Decrease) in Contract with Customer, Liability Contract liabilities Increase (Decrease) in Income Taxes Payable, Net of Income Taxes Receivable Income taxes receivable and payable, net Increase (Decrease) in Other Operating Assets and Liabilities, Net Other, net Net Cash Provided by (Used in) Operating Activities Net cash provided by (used in) operating activities Net Cash Provided by (Used in) Investing Activities, Continuing Operations [Abstract] Cash Flows from Investing Activities Payments to Acquire Property, Plant, and Equipment Capital expenditures Payments to Acquire Businesses, Net of Cash Acquired Acquisition of businesses, net of cash acquired Proceeds from Sale and Maturity of Debt Securities, Available-for-Sale Proceeds from the sale of investments Payments to Acquire Debt Securities, Available-for-Sale Payments for purchases of investments Proceeds from Sale of Productive Assets Proceeds from sale of productive assets Net Cash Provided by (Used in) Investing Activities Net cash provided by (used in) investing activities Net Cash Provided by (Used in) Financing Activities, Continuing Operations [Abstract] Cash Flows from Financing Activities Payment, Tax Withholding, Share-Based Payment Arrangement Restricted stock tax withholdings Payment for Contingent Consideration Liability, Financing Activities Contingent consideration payment Contingent consideration payment Proceeds, Issuance of Shares, Share-Based Payment Arrangement, Including Option Exercised Proceeds (net of tax withholdings) from option exercises and employee stock purchase plan Proceeds from Convertible Debt Proceeds from issuance of Notes, net of issuance cost Proceeds from issuance of 2029 Notes, net of issuance costs Repayments of Convertible Debt Extinguishment of convertible notes Cash paid for repurchase of notes Payments of Debt Issuance Costs Debt issuance costs Transaction costs Net Cash Provided by (Used in) Financing Activities Net cash provided by (used in) financing activities Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations Effect of exchange rate changes on cash and cash equivalents Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Net increase (decrease) in cash, cash equivalents, and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Cash, cash equivalents, and restricted cash - end of period Cash, cash equivalents, and restricted cash - beginning of period Supplemental Cash Flow Information [Abstract] Supplemental Disclosure of Cash Flow Information Interest Paid, Excluding Capitalized Interest, Operating Activities Interest paid Income Taxes Paid, Net Income taxes paid, net of refunds received No definition available. Non Cash Operating and Financing Activities [Abstract] Non-cash activities Capital Expenditures Incurred but Not yet Paid Capital expenditures included in accounts payable and accrued expenses Net transfer of inventory to property, plant and equipment in non-cash transactions. Transfer From Inventories Net transfer of inventory to property, plant and equipment Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Right-of-use assets obtained in exchange for lease obligations Significant Accounting Policies Basis of Presentation and Significant Accounting Policies [Text Block] Basis of Presentation Earnings Per Share [Text Block] Income Per Common Share Business Combination Business Combination Disclosure [Text Block] Business Combination No definition available. Assets The entire disclosure for balance sheet assets. Balance Sheet Related Assets Disclosures [Text Block] Assets No definition available. Liabilities The entire disclosure for balance sheet liabilities. Balance Sheet Related Liabilities Disclosures [Text Block] Liabilities Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Commitments and Contingencies Equity Equity [Text Block] Equity Share-based Compensation Share-Based Payment Arrangement [Text Block] Share-based compensation Income Taxes Income Tax Disclosure [Text Block] Income Taxes Segment Reporting and Geographic Information Segment Reporting Disclosure [Text Block] Segment Reporting and Geographic Information Basis of Accounting, Policy [Policy Text Block] Basis of Presentation Fiscal Period, Policy [Policy Text Block] Fiscal Period Use of Estimates, Policy [Policy Text Block] Use of Estimates Revenue from Contract with Customer [Policy Text Block] Revenue Recognition Inventory, Policy [Policy Text Block] Inventories New Accounting Pronouncements, Policy [Policy Text Block] Recent Accounting Standards Not Yet Adopted Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Schedule of computations of basic and diluted income per share Fair Value, Assets Measured on Recurring Basis [Table Text Block] Schedule of portion of Veeco's assets (excluding cash balances) that are measured at fair value on a recurring basis Schedule of Available-for-Sale Securities Reconciliation [Table Text Block] Schedule of amortized cost and fair value of available-for-sale securities Debt Securities, Available-for-Sale, Unrealized Loss Position, Fair Value [Table Text Block] Schedule of fair value and unrealized losses of available-for-sale securities in a loss position Investments Classified by Contractual Maturity Date [Table Text Block] Schedule of contractual maturities of securities classified as available-for-sale Schedule of Inventory, Current [Table Text Block] Schedule of inventories Property, Plant and Equipment [Table Text Block] Schedule of property, plant, and equipment Tabular disclosure of assets, excluding financial assets and goodwill, which lack physical substance with a finite life or exist in perpetuity, by major class. Schedule of Intangible Assets, Excluding Goodwill [Table Text Block] Schedule of intangible assets excluding goodwill Schedule of Accrued Liabilities [Table Text Block] Schedule of accrued expenses and other current liabilities Schedule of Product Warranty Liability [Table Text Block] Schedule of changes in product warranty reserves Convertible Debt [Table Text Block] Schedule of carrying value of Convertible Senior Notes Interest Income and Interest Expense Disclosure [Table Text Block] Schedule of interest expense related to Convertible Senior Notes Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block] Schedule of maturities of lease liabilities 2020 Schedule of Stockholders Equity [Table Text Block] Schedule of Stockholders' Equity Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block] Schedule of the changes in the balances of each component of AOCI, net of tax Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] Schedule of share-based compensation expense Share-Based Payment Arrangement, Restricted Stock and Restricted Stock Unit, Activity [Table Text Block] Summary of non-vested restricted and performance shares activity Tabular disclosure of pre-tax income (loss) and provision for income tax. Pre-tax Income (Loss) and Provision for Income Tax [Table Text Block] Schedule of income before income taxes and income tax expense Revenue from External Customers by Products and Services [Table Text Block] Schedule of sales by end-market Schedule of Revenue from External Customers and Long-Lived Assets, by Geographical Areas [Table Text Block] Schedule of sales by geographic region Fiscal Period Duration Fiscal period duration (in days) Revenue, Practical Expedient, Incremental Cost of Obtaining Contract [true false] Revenue, practical expedient, incremental cost of obtaining contract No definition available. Net Income (Loss) Available to Common Stockholders [Abstract] Numerator: Net Income (Loss) Available to Common Stockholders, Basic Net income (loss) Interest on Convertible Debt, Net of Tax Interest expense associated with convertible notes Net Income (Loss) Available to Common Stockholders, Diluted Net income (loss) available to common shareholders Weighted Average Number of Shares Outstanding Reconciliation [Abstract] Denominator: Incremental Common Shares Attributable to Dilutive Effect of Share-Based Payment Arrangements Effect of potentially dilutive share-based awards Incremental Common Shares Attributable to Dilutive Effect of Conversion of Debt Securities Dilutive effect of convertible notes No definition available. Earnings Per Share, Disclosure [Abstract] Net income (loss) per common share: Antidilutive Security, Excluded EPS Calculation [Table] Antidilutive Securities [Axis] Antidilutive Securities, Name [Domain] A security that can be converted into common stock. May include stock options, warrants, convertible bonds, preferred bonds, two-class common stock and contingent shares. Common Stock Equivalents [Member] Common share equivalents Represents information pertaining to potentially dilutive shares not otherwise specified. Potentially Dilutive Shares [Member] Potentially dilutive shares Convertible Debt [Member] Convertible Notes Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Antidilutive securities Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Securities excluded from the diluted calculation as their effect would be antidilutive Schedule of Business Acquisitions, by Acquisition [Table] Business Acquisition [Axis] Business Acquisition, Acquiree [Domain] Represents the information pertaining to Epiluvac AB. Epiluvac AB [Member] Epiluvac AB Contingent Consideration by Type [Axis] Contingent Consideration Type [Domain] Completion of certain defined milestones. Completion of Milestones [Member] Completion of certain defined milestones Percentage of orders received during the defined Earn-out period. Percentage of Orders Received During Earn-out Period [Member] Percentage of orders received during defined Earn-out period Statement of Financial Position Location, Balance [Axis] Statement of Financial Position Location, Balance [Domain] Other Noncurrent Liabilities [Member] Other liabilities. Business Acquisition [Line Items] Business Combination Business Combination, Consideration Transferred Acquisition date fair value Payments to Acquire Businesses, Gross Cash paid, net of cash acquired Business Combination, Consideration Transferred, Liabilities Incurred Contingent consideration Business Combination, Contingent Consideration Arrangements, Range of Outcomes, Value, High Contingent consideration payments, High end of range For contingent consideration arrangements recognized in connection with a business combination, this element represents maximum earn-out period for determining contingent consideration, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Business Combination, Contingent Consideration Arrangements, Earn-Out Period Maximum earn-out period Business Combination, Contingent Consideration, Liability, Measurement Input Contingent consideration measurement input Business Combination, Contingent Consideration, Liability, Measurement Input [Extensible Enumeration] Business Combination, Contingent Consideration, Liability, Measurement Input Business Combination, Contingent Consideration, Liability Contingent consideration Fair Value, Recurring and Nonrecurring [Table] Measurement Frequency [Axis] Measurement Frequency [Domain] Fair Value, Recurring [Member] Measured on a recurring basis Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Domain] Fair Value, Inputs, Level 1 [Member] Level 1 Fair Value, Inputs, Level 2 [Member] Level 2 Cash and Cash Equivalents [Axis] Cash and Cash Equivalents [Domain] Represents the information pertaining to certificate of deposits and time deposits. Certificate Of Deposits And Time Deposits [Member] Certificate of deposits and time deposits Corporate Debt Securities [Member] Corporate debt Money Market Funds [Member] Money market cash Financial Instrument [Axis] Financial Instruments [Domain] US Treasury Securities [Member] U.S. treasuries US Government Agencies Debt Securities [Member] Government agency securities Commercial Paper [Member] Commercial paper Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Major categories of assets and liabilities measured on a recurring basis, at fair value Cash and Cash Equivalents [Abstract] Cash equivalents Fair value portion of short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Cash Equivalents, Fair Value Disclosure Total Cash equivalents Short-Term Investments [Abstract] Short-term investments Investments, Fair Value Disclosure Total Short-term investments Amount of transfers of assets measured on a recurring basis out of Level 1 of the fair value hierarchy into Level 2. Fair Value, Assets, Level 1 to Level 2 Transfers, Amount 1 Transfer of assets from Level 1 to Level 2 Amount of transfers of assets measured on a recurring basis out of Level 2 of the fair value hierarchy into Level 1. Fair Value, Assets, Level 2 to Level 1 Transfers, Amount 1 Transfer of assets from Level 2 to Level 1 Debt Securities, Available-for-Sale [Table] Debt Securities, Available-for-Sale [Line Items] Total available-for-sale securities Debt Securities, Available-for-Sale, Amortized Cost Amortized Cost Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax Gross Unrealized Gains Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax Gross Unrealized Losses Debt Securities, Available-for-Sale Estimated Fair Value Available-for-sale Securities, Debt Securities, Total Debt Securities, Available-for-Sale [Abstract] Available-for-sale securities in a loss position Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, Less than 12 Months Investments, Continuous loss position for less than 12 months, Estimated Fair Value Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, Less than 12 Months, Accumulated Loss Investments, Continuous loss position for less than 12 months, Gross Unrealized Losses Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, 12 Months or Longer Investments, Continuous loss position for 12 months or more, Estimated Fair Value Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, 12 Months or Longer, Accumulated Loss Investments, Continuous loss position for 12 months or more, Gross Unrealized Losses Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Amortized Cost, Rolling Maturity [Abstract] Contractual maturities - Amortized Cost Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Amortized Cost Amortized Cost, Due in one year or less Amortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next rolling fiscal year through second year following latest fiscal year. For interim and annual periods when interim period is reported on rolling approach, from latest statement of financial position date. Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Two Years, Amortized Cost Amortized Cost, Due after one year through two years Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Two Years, Amortized Cost Amortized Cost, Due after one year through two years Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling Maturity, Fair Value [Abstract] Contractual maturities - Estimated Fair Value Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Fair Value Estimated Fair Value, Due in one year or less Fair value of investment in debt security, measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in rolling second through third year following latest fiscal year. For interim and annual periods when interim period is reported on rolling approach, from latest statement of financial position date. Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Two Years, Fair Value Estimated Fair Value, Due after one year through two years Debt Securities, Available-for-Sale, Realized Gain (Loss) [Abstract] Realized gains or losses Debt Securities, Available-for-Sale, Realized Gain (Loss) Realized gains or losses Debt Securities, Available-for-Sale, Unrealized Loss Unrealized losses Accounts and Financing Receivables [Table] Accounts, Notes, Loans and Financing Receivable [Line Items] Accounts Receivable Accounts Receivable, Allowance for Credit Loss, Current Allowance for doubtful accounts receivable Inventory, Net [Abstract] Inventories Inventory, Raw Materials, Net of Reserves Materials Inventory, Work in Process, Net of Reserves Work-in-process Inventory, Finished Goods, Net of Reserves Finished goods Carrying amount, net of valuation reserves and adjustments, as of the balance sheet date for elements of evaluation inventory. Inventory, Evaluation Inventory, Net of Reserves Evaluation inventory Prepaid Expense and Other Assets, Current [Abstract] Prepaid expenses and other current assets Deposit Assets Deposits with suppliers Property, Plant and Equipment [Table] Long-Lived Tangible Asset [Axis] Long-Lived Tangible Asset [Domain] Land [Member] Land Building and Building Improvements [Member] Building and improvements Machinery and Equipment [Member] Machinery and equipment Leasehold Improvements [Member] Leaseholds improvements Property, Plant and Equipment [Line Items] Property, plant, and equipment Property, Plant and Equipment, Gross Gross property, plant and equipment Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Less: accumulated depreciation and amortization Depreciation Depreciation expense Goodwill [Table] Goodwill [Line Items] Goodwill discloses Goodwill [Roll Forward] Changes in goodwill balances Goodwill, Period Increase (Decrease) Increase (decrease) in goodwill Disclosure of finite-lived and indefinite-lived intangible assets, excluding goodwill, in total and by major class. Finite Lived and Indefinite Lived Intangible Assets by Major Class [Table] Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets, Major Class Name [Domain] Technology-Based Intangible Assets [Member] Technology Customer Relationships [Member] Customer relationship Trademarks and Trade Names [Member] Trademarks and tradenames Other Intangible Assets [Member] Other Intangible Assets No definition available. Finite Lived and Indefinite Lived Intangible Assets By Major Class [Line Items] Intangible assets Finite-Lived Intangible Assets, Gross Gross Carrying Amount, Intangible assets Accumulated amount of amortization and impairment of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. Finite-Lived Intangible Assets, Accumulated Amortization and Impairment Accumulated Amortization and Impairment, Intangible assets Accrued Liabilities, Current [Abstract] Accrued expenses and other current liabilities Employee-related Liabilities, Current Payroll and related benefits Product Warranty Accrual, Current Warranty Operating Lease, Liability, Current Operating lease liability, current Operating lease liabilities Interest Payable, Current Interest Accrued Professional Fees, Current Professional fees Taxes Payable, Current Income, sales, use, and other taxes Business Combination, Contingent Consideration, Liability, Current Contingent consideration Other Accrued Liabilities, Current Other Product Warranties Disclosures [Abstract] Warranty Represents the warranty period from the date of final acceptance on the products purchased by customers. Product Warranty Period Warranty period Standard and Extended Product Warranty Accrual Balance, end of the period Balance, beginning of the period Standard and Extended Product Warranty Accrual, Increase for Warranties Issued Warranties issued Standard and Extended Product Warranty Accrual, Decrease for Payments Consumption of reserves Standard and Extended Product Warranty Accrual, Increase (Decrease) for Preexisting Warranties Changes in estimate Movement in Deferred Revenue [Roll Forward] Changes in deferred revenue Contract with Customer, Liability Contract liability Contract with Customer, Liability, Revenue Recognized Amount of contract liability recognized into revenue Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Statistical Measurement [Axis] Statistical Measurement [Domain] Minimum [Member] Minimum Maximum [Member] Maximum Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Performance obligations Revenue, Remaining Performance Obligation, Amount Remaining performance obligations Period at time of contract origination in which remaining performance obligation is expected to be

recognized as revenue, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Original Period Performance obligation at time of contract origination Percentage of remaining performance obligation expected to be recognized. Revenue Remaining Performance Obligation Expected Timing Percentage Percentage of remaining performance obligation expected to be recognized Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period Remaining performance obligations, expected timing of satisfaction Revenue, Remaining Performance Obligation, Optional Exemption, Performance Obligation [true false] Revenue, Practical Expedient, Remaining Performance Obligation Schedule of Long-Term Debt Instruments [Table] Debt Instrument [Axis] Debt Instrument, Name [Domain] Convertible Senior Unsecured Notes, Due 2023 (2023 Notes), Convertible Senior Unsecured Notes Due 2023 [Member] 2023 Notes Convertible Senior Unsecured Notes, due 2025 and due 2027 (2025 Notes and 2027 Notes). Convertible Senior Unsecured Notes, Due 2025 and Due 2027 [Member] 2025 Notes and 2027 Notes Convertible Senior Unsecured Notes, Due 2025 (2025 Notes). Convertible Senior Unsecured Notes, Due 2025 [Member] 2025 Notes Convertible Senior Unsecured Notes, Due 2027 (2027 Notes). Convertible Senior Unsecured Notes, Due 2027 [Member] 2027 Notes Convertible Senior Unsecured Notes, Due 2029 (2029 Notes). Convertible Senior Unsecured Notes, Due 2029 [Member] 2029 Notes Statement of Income Location, Balance [Axis] Statement of Income Location, Balance [Domain] Other Nonoperating Income (Expense) [Member] Other income (expense), net Debt Instrument [Line Items] Debt Debt Instrument, Face Amount Principal amount Debt Instrument, Interest Rate, Stated Percentage Interest rate (as a percent) Extinguishment of Debt, Amount Repurchased and retired amount Carrying amount of debt extinguished (decrease in carrying amount of debt), Debt Instrument Carrying Amount, Debt Extinguished Carrying amount of debt extinguished The number of shares of common stock used to repay long-term debt that is not secured by collateral. Excludes repayments of tax exempt unsecured debt. Repayments Of Unsecured Debt, Shares Number of shares of common stock used for repurchase of notes Payments for Derivative Instrument, Financing Activities Purchase of capped calls Gain (Loss) on Extinguishment of Debt, before Debt Issuance Cost Writeoff Loss on extinguishment of debt Convertible Senior Unsecured Notes, due 2025, due 2027, and due 2029 (2025 Notes, 2027 Notes, and 2029 Notes). Convertible Senior Unsecured Notes, Due 2025, Due 2027 and Due 2029 [Member] 2025 Notes, 2027 Notes, and 2029 Notes Debt Instrument, Redemption Price, Percentage Redemption price as a percent of principal amount Debt Instrument, Convertible, Threshold Percentage of Stock Price Trigger Stock price conversion trigger (as a percent) Debt Instrument, Convertible, Threshold Trading Days Trading days threshold Debt Instrument, Convertible, Threshold Consecutive Trading Days Number of consecutive trading days, scenario one Debt Instrument, Convertible, Conversion Ratio Conversion rate Represents the multiples of the principal amount of debt that holders may convert at their option under circumstances specified under the agreement. Debt Instrument Principal Amount Denomination For Conversion Into Common Stock Multiples of principal holders may convert Debt Instrument, Convertible, Conversion Price Conversion price (in dollars per share) Number of consecutive business days used in determining if holder has met conversion requirements. Debt Instrument, Conversion, Number of Business Days Number of consecutive business days Threshold period of specified consecutive trading days within which trading price as a percentage of product of last reported sale price of common stock and conversion rate on each specified trading day must be less than threshold percentage for specified number of trading days to trigger conversion feature. Debt Instrument, Convertible, Threshold Consecutive Trading Days, 2 Number of consecutive trading days, scenario two Maximum trading price as a percentage of product of the last reported sale price of common stock and the conversion rate on each specified trading day to determine eligibility of conversion of note. Debt Instruments, Convertible Features , Maximum Percentage of Common Stock could be Converted Trading price conversion trigger (as a percent) Debt Instrument, Unamortized Discount (Premium) and Debt Issuance Costs, Net Unamortized transaction costs Long-Term Debt Net carrying value No definition available. Cash Interest Expense Cash Interest Expense Interest Expense, Debt, Excluding Amortization Coupon interest expense No definition available. Non-Cash Interest Expense Non-Cash Interest Expense Interest Expense, Debt Total Interest Expense Convertible Debt, Fair Value Disclosures Estimated fair value Debt Instrument, Convertible, Fair Value by Fair Value Hierarchy Level [Extensible Enumeration] Convertible Debt, Fair Value by Fair Value Hierarchy Level Derivative Instrument [Axis] Derivative Contract [Domain] Capped call contract. Derivative Contract Capped Call [Member] Capped Call Transactions Aggregate price of capped call transaction. Capped Call Transactions, Price Aggregate price of capped call transaction Cap price of the capped call transactions. Capped Call Transactions, Cap Price Cap price of the capped call transactions (in dollars per share) Revolving Credit Facility, entered into December 16, 2021. Revolving Credit Facility, December 2021 [Member] Credit Facility Revolving Credit Facility Letter of Credit, entered into December 16, 2021. Revolving Credit Facility, December 2021, Letter Of Credit [Member] Credit Facility, Letter of Credit Variable Rate [Axis] Variable Rate [Domain] Base Rate [Member] Base rate Secured Overnight Financing Rate (SOFR) [Member] SOFR Line of Credit Facility, Maximum Borrowing Capacity Borrowing capacity Debt Instrument, Term Debt instrument term The contingent increase above the maximum borrowing capacity under the credit facility, if any one or more of the existing banks or new banks agree to provide such increased commitment amount. Line of Credit Facility Contingent Increase, Additional Borrowing Capacity Additional increase in borrowing subject to certain conditions The amount of increase in borrowing capacity available due to entity obtaining commitments from existing banks or new banks to provide such increased commitment amount. Line of Credit Facility Contingent Increase, Additional Borrowing Capacity, Amount of Increase Amount of increase in borrowing capacity Debt Instrument, Basis Spread on Variable Rate Basis spread on base rate (as a percent) Floor rate on debt instrument. Debt Instrument Floor Rate Floor rate on debt instrument (as a percent) Line of Credit Facility, Unused Capacity, Commitment Fee Percentage Unused commitment fee percentage (as a percent) Interest coverage ratio, as defined by the agreement. Debt Instrument, Interest Coverage Ratio Interest coverage ratio Total net leverage ratio, as defined by the agreement. Debt Instrument, Total Net Leverage Ratio Total net leverage ratio Secured net leverage ratio, as defined by the agreement. Debt Instrument, Secured Net Leverage Ratio Secured net leverage ratio Line of Credit Facility, Maximum Amount Outstanding During Period Outstanding amount Other Liabilities [Abstract] Other liabilities Business Combination, Contingent Consideration, Liability, Noncurrent Contingent consideration Amount of liabilities for medical and dental benefits classified as other, due after one year or the normal operating cycle, if longer Medical and Dental Benefit Liabilities, Noncurrent Medical and dental benefits Asset Retirement Obligations, Noncurrent Asset retirement obligations Lessee, Operating Lease, Description [Abstract] Leases Lessee, Operating Lease, Renewal Term Lease renewal term Operating Lease, Weighted Average Remaining Lease Term Remaining lease term Lessee, Operating Lease, Discount Rate Weighted average discount rate (as a percent) Lessee, Operating Lease, Liability, to be Paid, Fiscal Year Maturity [Abstract] Minimum lease commitments, Payments due by period: Lessee, Operating Lease, Liability, to be Paid, Remainder of Fiscal Year 2024 Lessee, Operating Lease, Liability, to be Paid, Year One 2025 Lessee, Operating Lease, Liability, to be Paid, Year Two 2026 Lessee, Operating Lease, Liability, to be Paid, Year Three 2027 Lessee, Operating Lease, Liability, to be Paid, Year Four 2028 Amount of lessee's undiscounted obligation for lease payment for operating lease due after fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). Lessee, Operating Lease, Liability, to be Paid, after Year Four Thereafter Lessee, Operating Lease, Liability, to be Paid Total future minimum lease payments Lessee, Operating Lease, Liability, Undiscounted Excess Amount Less: Imputed interest Operating Lease, Liability Total operating lease liabilities Total operating lease liabilities Operating Lease, Liability, Statement of Financial Position [Extensible Enumeration] Operating Lease, Liability, Statement of Financial Position Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Operating Lease, Liability, Current, Statement of Financial Position Lease, Cost [Abstract] Lease cost Operating Lease, Cost Operating lease costs Variable Lease, Cost Variable lease costs Operating Lease, Payments Cash flows from operating leases Maximum amount of trade receivables from customers to be sold without recourse under the terms of the receivable purchase agreement. Receivable Purchase Agreement, Maximum Amount Maximum amount of trade receivables to be sold under agreement Amount of accounts receivable that has been sold to other entities. Trade Receivables Sold Under Receivable Purchase Agreement Receivables sold Amount of trade receivables available to be sold from customers without recourse under the terms of the receivable purchase agreement. Receivable Purchase Agreement, Amount Available Amount of trade receivables available to be sold under agreement Purchase Obligation, Fiscal Year Maturity [Abstract] Purchase commitments Unrecorded Unconditional Purchase Obligation, Due in Next Rolling 12 Months Purchase commitments due within one year Guarantees [Abstract] Bank guarantees Guarantor Obligations, Current Carrying Value Bank guarantees and letters of credit outstanding Line of Credit Facility, Remaining Borrowing Capacity Unused bank guarantees and letters of credit Statement [Table] Equity Components [Axis] Equity Component [Domain] Common Stock [Member] Common Stock Additional Paid-in Capital [Member] Additional Paid-in Capital Retained Earnings [Member] Accumulated Deficit AOCI Attributable to Parent [Member] Accumulated Other Comprehensive Income Statement [Line Items] Statement Increase (Decrease) in Stockholders' Equity [Roll Forward] Increase (Decrease) in Stockholders' Equity Shares, Outstanding Balance (in shares) Balance (in shares) Amount after tax and reclassification adjustments of other comprehensive income (loss). Includes foreign currency gains (losses) on transactions included in operating results. Other Comprehensive Income (Loss) Including Foreign Currency Gains (Losses) on Transactions Included in Operating Results, Net of Tax Other comprehensive income (loss), net of tax APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Share-based compensation expense Stock Issued During Period, Value, Conversion of Convertible Securities Partial extinguishment of 2025 and 2027 Notes Stock Issued During Period, Shares, Conversion of Convertible Securities Partial extinguishment of 2025 and 2027 Notes (in shares) Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture Net issuance under employee stock plans Shares Issued, Shares, Share-Based Payment Arrangement, after Forfeiture Net issuance under employee stock plans (in shares) Accumulated Other Comprehensive Income (Loss) [Table] Accumulated Foreign Currency Adjustment Attributable to Parent [Member] Foreign Currency Translation AOCI, Accumulated Gain (Loss), Debt Securities, Available-for-Sale, Parent [Member] Unrealized Gains (Losses) on Available for Sale Securities Accumulated Other Comprehensive Income (Loss) [Line Items] Accumulated Other Comprehensive Income AOCI Attributable to Parent, Net of Tax [Roll Forward] Changes in the balances of each component of AOCI Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Cost of Sales [Member] Cost of Sales Research and Development Expense [Member] Research and development Selling, General and Administrative Expenses [Member] Selling, general and administrative Restricted Stock [Member] Restricted stock Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Share-based compensation Share-Based Compensation Arrangement by Share-Based Payment Award, Expiration Period Expiration term Share-Based Payment Arrangement, Additional Disclosure [Abstract] Recognized share-based compensation Share-Based Payment Arrangement, Expense Total share-based compensation expense Represents the information pertaining to restricted and performance shares. Restricted And Performance Shares [Member] Non-vested restricted shares and performance shares Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward] Number of Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Outstanding at the end of the period (in shares) Outstanding at the beginning of the period (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Granted (in dollars per share) The weighted average fair value of performance award adjustments during the period on other than stock (or unit) option plans resulting in decrease in awards outstanding. Share Based Compensation Arrangement By Share Based Payment Award Equity Instruments Other Than Options Performance Award Adjustments In Period Performance award adjustments (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Vested (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Forfeited (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Additional Disclosures [Abstract] Weighted Average Grant Date Fair Value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value Outstanding at the end of the period (in dollars per share) Outstanding at the beginning of the period (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Granted (in dollars per share) The weighted average fair value of performance award adjustments during the period for nonvested equity-based awards other than stock (or unit) option plans. Share Based Compensation Arrangement By Share Based Payment Award Equity Instruments Other Than Options Performance Award Adjustments Weighted Average Grant Date Fair Value Performance award adjustments (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value Vested (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value Forfeited (in dollars per share) Income Tax Expense (Benefit), Effective Income Tax Rate Reconciliation, Amount [Abstract] Tax reconciliation disclosures Effective Income Tax Rate Reconciliation, Percent Effective tax rate (as a percent) Extinguishment of Debt, Gain (Loss), Income Tax Loss on extinguishment of convertible notes, tax (benefit) Schedule of Segment Reporting Information, by Segment [Table] Product and Service [Axis] Product and Service [Domain] Represents the entity's Semiconductor reporting segment. Semiconductor [Member] Semiconductor Represents the entity's Compound Semiconductor reporting segment. Compound Semiconductor [Member] Compound Semiconductor Represents the entity's Data Storage reporting segment. Data Storage segment consists of ion beam etch, ion beam deposition, diamond-like carbon, physical vapor deposition and dicing and slicing products sold primarily to customers in the data storage industry. Data Storage [Member] Data Storage Represents the entity's Scientific & Other reporting segment. Scientific And Other [Member] Scientific & Other Geographical [Axis] Geographical [Domain] UNITED STATES UNITED STATES EMEA [Member] EMEA CHINA China Region of Asia Pacific, excluding China. Asia Pacific Excluding China [Member] Rest of APAC Remaining regions of the world not specifically identified. Rest Of World [Member] Rest Of World Segment Reporting Information [Line Items] Revenue reporting by end-market and geographic region Number of Operating Segments Number of operating segments Number of Reportable Segments Number of reportable segments Represents the number of primary or end-markets the entity sells into. Number of Sales Markets Number of end-markets EX-101.PRE 10 veco-20240930_pre.xml EX-101.PRE XML 12 R1.htm IDEA: XBRL DOCUMENT v3.24.3 Document and Entity Information - shares 9 Months Ended Sep. 30, 2024 Oct. 31, 2024 Cover [Abstract] Å A Document Type 10-Q Å Document Quarterly Report true Å Document Period End Date Sep. 30, 2024 Å Document Transition Report false Å Securities Act File Number 0-16244 Å Entity Registrant Name VEECO INSTRUMENTS INC. Å Entity Incorporation, State or Country Code DE Å Entity Tax Identification Number 11-2989601 Å Entity Address, Address Line One Terminal Drive Å Entity Address, City or Town Plainview Å Entity Address, State or Province NY Å Entity Address, Postal Zip Code 11803 Å City Area Code 516 Å Local Phone Number 677-0200 Å Title of 12(b) Security Common Stock Å Trading Symbol VECO Å Security Exchange Name NASDAQ Å Entity Current Reporting Status Yes Å Entity Interactive Data Current Yes Å Entity Filer Category Large Accelerated Filer Å Entity Small Business false Å Entity Emerging Growth Company false Å Entity Shell Company false Å Entity Common Stock, Shares Outstanding Å 56,778,242 Entity Central Index Key 0000103145 Å Current Fiscal Year End Date --12-31 Å Document Fiscal Year Focus 2024 Å Document Fiscal Period Focus Q3 Å Amendment Flag false Å X - DefinitionBoolean flag that is true when the XBRL content amends previously-filed or accepted submission. + ReferencesNo definition available. + Details Name: dei AmendmentFlag Namespace Prefix: dei Data Type: xbrli:booleanItem Type Balance Type: na Period Type: duration X - DefinitionArea code of city + ReferencesNo definition available. + Details Name: dei CityAreaCode Namespace Prefix: dei Data Type: xbrli:normlizedStringItem Type Balance Type: na Period Type: duration X - DefinitionCover page. + ReferencesNo definition available. + Details Name: dei CoverAbstract Namespace Prefix: dei Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionEnd date of current fiscal year in the format --MM-DD. + ReferencesNo definition available. + Details Name: dei CurrentFiscalYearEndDate Namespace Prefix: dei Data Type: xbrli:gMonthDayItem Type Balance Type: na Period Type: duration X - DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. + ReferencesNo definition available. + Details Name: dei DocumentFiscalPeriodFocus Namespace Prefix: dei Data Type: dei:fiscalPeriodItem Type Balance Type: na Period Type: duration X - DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. + ReferencesNo definition available. + Details Name: dei DocumentFiscalYearFocus Namespace Prefix: dei Data Type: xbrli:gYearItem Type Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei DocumentPeriodEndDate Namespace Prefix: dei Data Type: xbrli:dateItem Type Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as an quarterly report. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Form 10-Q -Number 240 -Section 308 -Subsection a> + Details Name: dei DocumentQuarterlyReport Namespace Prefix: dei Data Type: xbrli:booleanItem Type Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1:

http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1 + Details Name: dei_DocumentTransitionReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details Name: dei_DocumentType Namespace Prefix: dei_ Data Type: dei:submissionTypeItem Type Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_ Data Type: xbrli:normlizedStringItem Type Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_ Data Type: xbrli:normlizedStringItem Type Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_ Data Type: xbrli:normlizedStringItem Type Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_ Data Type: dei:stateOrProvinceItem Type Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1:

FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 26: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 27: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 28: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference> 29: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference> 30: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478546/942-210-S99-1> + Details Name: us-gaap_Asets Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit, classified as current. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference> 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference> 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference> 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference> 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference> 6: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference> 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference> 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 10: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 11: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 12: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 13: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 14: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference> 15: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 16: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 17: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 18: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 19: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 20: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481404/852-10-50-7> + Details Name: us-gaap_AsetsCurrent Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AsetsCurrentAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), classified as current. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481830/320-10-45-2Reference> 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479130/326-30-45-1> + Details Name: us-gaap_AvailableForSaleSecuritiesDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference> 3: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-4> + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference> 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(22)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478777/944-210-S99-1> + Details Name: us-gaap_CommonStockValue Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allocation of valuation allowances and deferred tax liability, of deferred tax asset attributable to deductible differences and carryforwards, with jurisdictional netting. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482525/740-10-45-4Reference> 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 6 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482525/740-10-45-6> + Details Name: us-gaap_DeferredIncomeTaxAssetsNet Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after deferred tax asset, of deferred tax liability attributable to taxable differences with jurisdictional netting. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(15)(b)(2)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference> 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482525/740-10-45-4Reference> 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 6 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482525/740-10-45-6> + Details Name: us-gaap_DeferredIncomeTaxLiabilitiesNet Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of deferred income and obligation to transfer product and service to customer for which consideration has been received or is receivable, classified as current. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap_DeferredRevenueCurrent Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference> 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483154/926-20-50-5> + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference> 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482548/350-20-55-24Reference> 3: <http://www.xbrl.org/2003/role/exampleRef> -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (d) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference> 4: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference> 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(15)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482598/350-20-45-1Reference> 7: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference> 8: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference> 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(10)(1)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478546/942-210-S99-1> + Details Name: us-gaap_Goodwill Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference> 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference> 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap_InventoriesNet Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 3: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 4: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 5: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 6: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 7: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 8: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference> 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference> 11: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference> 12: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (a) -Publisher FASB -

diffication -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19>: [http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph \(SX 210.13-01\(a\)\(4\)\(iii\)\(A\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20](http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20): [http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph \(SX 210.13-01\(a\)\(4\)\(iv\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21](http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21): [http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph \(SX 210.13-01\(a\)\(5\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22](http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22): [http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(i\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23](http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23): [http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(iii\)\(A\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24](http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24): [http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(iii\)\(B\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25](http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25): [http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(4\)\(iv\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26](http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26): [http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph \(SX 210.13-02\(a\)\(5\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27](http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27): [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 28](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 28): [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29):

Type: credit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 4: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10>Reference 5: <http://www.xbrl.org/2003/role/exampleRef> -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479168/946-830-55-12>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479170/946-210-S99-1>Reference 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479170/946-210-S99-2>Reference 8: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-3>Reference 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-3>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-3>Reference 11: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480678/235-10-S99-1>Reference 12: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481687/323-10-50-3>Reference 13: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-3>Reference 14: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 912 -SubTopic 310 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478345/912-310-45-2> + Details Name: us-gaap UnbilledContractsReceivable Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). Also includes amount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesNo definition available. + Details Name: veco AccruedAndOtherLiabilitiesCurrent Namespace Prefix: veco Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 14 R3.htm IDEA: XBRL DOCUMENT v3.24.3 Consolidated Balance Sheets (Parenthetical) - \$ / shares Sep. 30, 2024 Dec. 31, 2023 Consolidated Balance Sheets A Preferred stock, par value (in dollars per share) \$ 0.01 \$ 0.01 Preferred stock, shares authorized 500,000 500,000 Preferred stock, shares issued 0 0 Preferred stock, shares outstanding 0 0 Common stock, par value (in dollars per share) \$ 0.01 \$ 0.01 Common stock, authorized shares 120,000 500,000 120,000 500,000 Common stock, shares issued 56,778,136 56,364,131 Common stock, shares outstanding 56,778,136 56,364,131 X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479170/946-210-S99-1> + Details Name: us-gaap CommonStockSharesAuthorized Namespace Prefix: us-gaap Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap CommonStockSharesIssued Namespace Prefix: us-gaap Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares of common stock outstanding. Common stock represent the ownership interest in a corporation. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481112/505-10-50-2>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479170/946-210-S99-2>Reference 4: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-3>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479170/946-210-S99-1>Reference 6: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-3> + Details Name: us-gaap CommonStockSharesOutstanding Namespace Prefix: us-gaap Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481112/505-10-50-13> + Details Name: us-gaap PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481112/505-10-50-13> + Details Name: us-gaap PreferredStockSharesIssued Namespace Prefix: us-gaap Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479170/946-210-S99-2>Reference 3: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-3>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479170/946-210-S99-1>Reference 5: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-3> + Details Name: us-gaap PreferredStockSharesOutstanding Namespace Prefix: us-gaap Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap StatementOfFinancialPositionAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 15 R4.htm IDEA: XBRL DOCUMENT v3.24.3 Consolidated Statements of Operations - USD (\$) shares in Thousands, \$ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Consolidated Statements of Operations A A A Net sales \$ 184,807 \$ 177,366 \$ 535,170 \$ 492,511 Cost of sales 105,596 100,489 305,150 286,107 Gross profit 79,211 76,877 230,020 206,404 Operating expenses, net: A A A Research and development 32,216 28,817 93,554 83,762 Selling, general, and administrative 25,291 22,814 74,586 69,263 Amortization of intangible assets 1,687 2,123 5,403 6,358 Other operating expense (income), net (4,318) 860 (6,625) 1,264 Total operating expenses, net 54,876 54,614 166,918 160,647 Operating income 24,335 22,263 63,102 45,757 Interest income 3,204 3,024 9,643 7,518 Interest expense (2,881) (2,777) (8,266) (8,705) Other income (expense), net (A A A) (97,091) Income (loss) before income taxes 24,658 22,510 64,479 (52,521) Income tax expense (benefit) 2,707 (2,064) 5,730 (516) Net income (loss) \$ 21,951 \$ 24,574 \$ 58,749 \$ (52,005) Income (loss) per common share: A A A Basic (in dollars per share) \$ 0.39 \$ 0.44 \$ 1.04 \$ (0.98) Diluted (in dollars per share) \$ 0.36 \$ 0.42 \$ 0.97 \$ (0.98) Weighted average number of shares: A A A Basic (in shares) 56,410 55,352 56,256 52,978 Diluted (in shares) 62,654 59,636 62,103 52,978 X - DefinitionThe aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-28>Reference 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482640/350-30-55-40>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482665/350-30-50-2>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482686/350-30-45-2> + Details Name: us-gaap AmortizationOfIntangibleAssets Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(d)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-2>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(a)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-2>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479941/924-10-S99-1> + Details Name: us-gaap CostOfGoodsAndServicesSold Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap EarningsPerShareAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482635/260-10-55-52>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147476176/805-60-65-1>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478666/740-323-65-2>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-3>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482635/260-10-55-15>Reference 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-11>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-11>Reference 11: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI

<https://asc.fasb.org/1943274/2147483443/250-10-50-7>Reference 12: <http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2>Reference 13: [http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph \(d\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60B](http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60B)Reference 14: <http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4>Reference 15: [http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1)Reference 16: <http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10>Reference 17: [http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SX 210.5-03\(25\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2)Reference 18: [http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.9-04\(27\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1)Reference 19: [http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.7-04\(23\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1)Reference 20: <http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7> + Details Name: us-gaap EarningsPerShareBasic Namespace Prefix: us-gaap Data Type: dtr-types:perShareItem Type: Balance Type: na Period Type: duration X - Definition: The amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 2: <http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph \(g\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1)Reference 4: [http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph \(g\)\(3\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2)Reference 5: <http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15>Reference 7: [http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph \(e\)\(4\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1)Reference 8: [http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph \(f\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1)Reference 9: [http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11](http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11)Reference 10: [http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11](http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11)Reference 11:

Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32 + Details Name: us-gaap InvestmentIncomeInterest Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap NetIncomeLoss Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionGenerally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense. + ReferencesNo definition available. + Details Name: us-gaap OperatingExpenses Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap OperatingExpensesAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemBalance Type: na Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap OperatingIncomeLoss Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe net amount of other operating income and expenses, the components of which are not separately disclosed on the income statement, from items that are associated with the entity's normal revenue producing operations. + ReferencesNo definition available. + Details Name: us-gaap OtherOperatingIncomeExpenseNet Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482916/730-10-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 912 -SubTopic 730 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479532/912-730-25-1 + Details Name: us-gaap ResearchAndDevelopmentExpense Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap SellingGeneralAndAdministrativeExpense Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap Data Type: xbrli:sharesItemBalance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap WeightedAverageNumberOfSharesOutstandingAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemBalance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -

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Section 45 - Paragraph 3 - Publisher FASB - URI https://asc.fasb.org/1943274/2147482925/835-30-45-3 + Details Name: us-gaap_AmortizationOffinancingCostsAndDiscounts Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in the value of a contingent consideration liability, including, but not limited to, differences arising upon settlement. + ReferencesReference 1: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrli.org/2003/role/disclosureRef -Topic 805 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479581/805-30-50-4 + Details Name: us-gaap_BusinessCombinationContingentConsiderationArrangementsChangeInAmountOfContingentConsiderationLiability1 Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionFuture cash outflow to pay for purchases of fixed assets that have occurred. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap_CapitalExpendituresIncurredButNotYetPaid Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of deferred income tax expense (benefit) pertaining to income (loss) from continuing operations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(1)(Note 1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrli.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -SubTopic 10 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-9 + Details Name: us-gaap_DeferredIncomeTaxExpenseBenefit Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrli.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrli.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 4: http://www.xbrli.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrli.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrli.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22 + Details Name: us-gaap_DepreciationDepletionAndAmortization Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; held in foreign currencies; including, but not limited to, disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 830 -SubTopic 230 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionDifference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 50 -Section 40 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 50 -Section 40 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-4 + Details Name: us-gaap_GainsLossesOnExtinguishmentOfDebt Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after refund, of cash paid to foreign, federal, state, and local jurisdictions as income tax. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2AReference 2: http://www.xbrli.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 23 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-23Reference 3: http://www.xbrli.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-22Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2 + Details Name: us-gaap_IncomeTaxesPaidNet Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the amounts payable to vendors for goods and services received and the amount of obligations and expenses incurred but not paid. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsPayableAndAccruedLiabilities Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in obligation to transfer good or service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 912 -SubTopic 310 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478345/912-310-45-11Reference 2: http://www.xbrli.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInIncomeTaxesPayableNetOfIncomeTaxesReceivable Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInInventories Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in operating assets after deduction of operating liabilities classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInOtherOperatingCapitalNet Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in prepaid expenses, and assets classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash paid for interest, excluding capitalized interest, classified as operating activity. Includes, but is not limited to, payment to settle zero-coupon bond for accreted interest of debt discount and debt instrument with insignificant coupon interest rate in relation to effective interest rate of borrowing attributable to accreted interest of debt discount. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-17Reference 2: http://www.xbrli.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25Reference 3: http://www.xbrli.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2 + Details Name: us-gaap_InterestPaidNet Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivities Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivities ContinuingOperationsAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivities Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivities ContinuingOperationsAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivities Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivities ContinuingOperationsAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsRelatedToTaxWithholdingForShareBasedCompensation Namespace Prefix: us-gaap Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow to acquire investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481830/320-10-45-11Reference 2:

<http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-13>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-11> + Details Name: us-gaap_PaymentsToAcquireAvailableForSaleSecuritiesDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow associated with the acquisition of a business, net of the cash acquired from the purchase. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-13> + Details Name: us-gaap_PaymentsToAcquireBusinessesNetOfCashAcquired Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-13> + Details Name: us-gaap_PaymentsToAcquirePropertyPlantAndEquipment Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash inflow from the issuance of a long-term debt instrument which can be exchanged for a specified amount of another security, typically the entity's common stock, at the option of the issuer or the holder. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-14> + Details Name: us-gaap_ProceedsFromConvertibleDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from issuance of shares under share-based payment arrangement. Includes, but is not limited to, option exercised. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-14>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Subparagraph (a) -SubTopic 10 -Topic 718 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480429/718-10-50-2A> + Details Name: us-gaap_ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlansIncludingStockOptions Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from sale, maturity, prepayment and call of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481830/320-10-45-11>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-11>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 12 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-12> + Details Name: us-gaap_ProceedsFromSaleAndMaturityOfAvailableForSaleSecurities Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow from the sale of property, plant and equipment (capital expenditures), software, and other intangible assets. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-12> + Details Name: us-gaap_ProceedsFromSaleOfProductiveAssets Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-9>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147476176/805-60-65-1>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478666/740-323-65-2>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08)(1)(ii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480678/235-10-S99-1>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481687/323-10-50-3>Reference 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482907/825-10-50-28>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-1>Reference 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-8>Reference 11: <http://www.xbrl.org/2003/role/exampleRef> -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479168/946-830-55-11>Reference 12: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478009/946-205-45-3>Reference 13: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479105/946-220-45-7>Reference 14: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04)(16)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477250/944-220-S99-1>Reference 15: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07)(9)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-1>Reference 16: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09)(1)(d)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-3>Reference 17: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481231/810-10-45-19>Reference 18: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482765/220-10-50-6>Reference 19: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01)(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1A>Reference 20: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01)(a)(4)(iii)(A)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1A>Reference 21: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01)(a)(4)(iii)(A)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1A>Reference 22: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01)(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1A>Reference 23: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01)(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1A>Reference 24: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02)(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1B>Reference 25: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02)(a)(4)(iii)(A)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1B>Reference 26: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02)(a)(4)(iii)(B)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1B>Reference 27: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02)(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1B>Reference 28: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02)(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1B>Reference 29: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05)(b)(2)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477314/942-235-S99-1>Reference 30: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483499/205-20-50-7>Reference 31: <http://www.xbrl.org/2003/role/exampleRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4J -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481175/810-10-55-4J>Reference 32: <http://www.xbrl.org/2003/role/exampleRef> -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4K -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481175/810-10-55-4K>Reference 33: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482790/220-10-45-1A>Reference 34: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482790/220-10-45-1B>Reference 35: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-2> + Details Name: us-gaap_ProvisionForDoubtfulAccounts Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash outflow from the repayment of a long-term debt instrument which can be exchanged for a specified amount of another security, typically the entity's common stock, at the option of the issuer or the holder. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-15> + Details Name: us-gaap_RepaymentsOfConvertibleDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense (reversal of expense) for expected credit loss on accounts receivable. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479319/326-20-50-13>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-2> + Details Name: us-gaap_ProvisionForDoubtfulAccounts Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash outflow from the repayment of a long-term debt instrument which can be exchanged for a specified amount of another security, typically the entity's common stock, at the option of the issuer or the holder. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-15> + Details Name: us-gaap_RepaymentsOfConvertibleDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase in right-of-use asset obtained in exchange for operating lease liability. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef> -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479589/842-20-55-53>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478964/842-20-50-4> + Details Name: us-gaap_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of noncash expense for share-based payment arrangement. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-28> + Details Name: us-gaap_ShareBasedCompensation Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SupplementalCashFlowInformationAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in amount due within one year (or one business cycle) from customers for the credit sale of goods and services and contract assets. + ReferencesNo definition available. + Details Name: veco_IncreaseDecreaseInAccountsReceivableAndContractAssets Namespace Prefix: veco_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: veco_NonCashOperatingAndFinancingActivitiesAbstract Namespace Prefix: veco_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNet transfer of inventory to property, plant and equipment in non-cash transactions. + ReferencesNo definition available. + Details Name: veco_TransferFromInventories Namespace Prefix: veco_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 18 R7.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation 9 Months Ended Sep. 30, 2024 Significant Accounting Policies A Basis of Presentation NoteA 1 â€” Basis of Presentationâ€”The accompanying unaudited Consolidated Financial Statements of Veeco have been prepared in accordance with U.S. GAAP as defined in Financial Accounting Standards Board (â€œFASBâ€œ) Accounting Standards Codification 270 for interim financial information and with the instructions to Rule 10-01 of Securities and Exchange Commission Regulation S-X. Accordingly, they do not include all of the information and footnotes required by U.S. GAAP for complete financial statements as the interim information is an update of the information that was presented in Vecoâ€™s most recent annual financial statements. For further information, refer to Vecoâ€™s Consolidated Financial Statements and Notes thereto included in the Annual Report on Form 10-K for the year ended December 31, 2023 (â€œ2023 Form 10-Kâ€œ). In the opinion of management, all adjustments considered necessary for a fair presentation have been included. All such adjustments are of a normal, recurring nature.â€”Veeco reports interim quarters on a 13-week basis ending on the last Sunday of each quarter. The fourth quarter always ends on the last day of the calendar year, December 31. The 2024 interim quarters end on March 31, June 30, and September 29, and the 2023 interim quarters ended on April 2, July 2, and October 1. These interim quarters are reported as March 31, June 30, and September 30 in Vecoâ€™s interim consolidated financial statements.â€”The preparation of financial statements in conformity with U.S. GAAP requires the Companyâ€™s management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Although these estimates are based on managementâ€™s knowledge of current events and actions it may undertake in the future, actual results may differ from these estimates.â€”Revenue Recognitionâ€”Revenue is recognized upon the transfer of control of the promised product or service to the customer in an amount that reflects the consideration the Company expects to receive in exchange for such product or service. The Companyâ€™s contracts with customers generally do not contain variable consideration. In the rare instances where variable consideration is included, the Company estimates the amount of variable consideration and determines what portion of that, if any, has a high probability of significant subsequent revenue reversal, and if so, that amount is excluded from the transaction price. The Companyâ€™s contracts with customers frequently contain multiple deliverables, such as systems, upgrades, components, spare parts, installation, maintenance, and service plans. Judgment is required to properly identify the performance obligations within a contract and to determine how the revenue should be allocated among the performance obligations. The Company also evaluates whether multiple transactions with the same customer or related parties should be considered part of a single contract based on an assessment of whether the contracts or agreements are negotiated or executed within a short time frame of each other or if there are indicators that the contracts are negotiated in contemplation of one another.Â When there are separate units of accounting,

The Company allocates revenue to each performance obligation on a relative stand-alone selling price basis. The stand-alone selling prices are determined based on the prices at which the Company separately sells the systems, upgrades, components, spare parts, installation, maintenance, and service plans. For items that are not sold separately, the Company estimates stand-alone selling prices generally using an expected cost plus margin approach.

A Most of the Company's revenue is recognized at a point in time when the performance obligation is satisfied. The Company considers many factors when evaluating each of its sales arrangements to determine the timing of revenue recognition, including its contractual obligations and the nature of the customer's post-delivery acceptance provisions. The Company's system sales arrangements, including certain upgrades, generally include field acceptance provisions that may include functional or mechanical test procedures. For many of these arrangements, a customer source inspection of the system is performed in the Company's facility, test data is sent to the customer documenting that the system is functioning to the agreed upon specifications prior to delivery, or other quality assurance testing is performed internally to ensure system functionality prior to shipment. Historically, such source inspection or test data replicates the field acceptance provisions that are performed at the customer's site prior to final acceptance of the system When the Company objectively demonstrates that the criteria specified in the contractual acceptance provisions are achieved prior to delivery either through customer testing or the Company's historical experience of its tools meeting specifications, transfer of control of the product to the customer is considered to have occurred and revenue is recognized upon system delivery since there is no substantive contingency remaining related to the acceptance provisions at that date. For new products, new applications of existing products, or for products with substantive customer acceptance provisions where the Company cannot objectively demonstrate that the criteria specified in the contractual acceptance provisions have been achieved prior to delivery, revenue and the associated costs are deferred. The Company recognizes such revenue and costs upon obtaining objective evidence that the acceptance provisions can be achieved, assuming all other revenue recognition criteria have been met.

In certain cases the Company's contracts with customers contain a billing retention, which is billed by the Company and payable by the customer when field acceptance provisions are completed. Revenue recognized in advance of the amount that has been billed is recorded as a contract asset on the Consolidated Balance Sheets. The Company recognizes revenue related to maintenance and service contracts over time based upon the respective contract term. Installation revenue is recognized over time as the installation services are performed. The Company recognizes revenue from the sales of components, spare parts, and specified service engagements at a point in time, which is typically consistent with the time of delivery in accordance with the terms of the applicable sales arrangement.

The Company may receive advanced payments on system transactions. The timing of the transfer of goods or services related to the advanced payments is either at the discretion of the customer or generally expected to be within one year from the advanced receipt. As such, the Company does not adjust transaction prices for the time value of money. Incremental direct costs incurred related to the acquisition of a customer contract, such as sales commissions, are expensed as incurred since the expected amortization period is one year or less.

The Company has elected to treat shipping and handling costs as a fulfillment activity, and the Company includes such costs in cost of sales if the Company recognizes revenue for the related goods. Taxes assessed by governmental authorities that are collected by the Company from a customer are excluded from revenue.

Inventories

Inventories are stated at the lower of cost or net realizable value, with cost determined on a first-in, first-out basis. Each quarter the Company assesses the valuation and recoverability of all inventories: materials (raw materials, spare parts, and service inventory); work-in-process; finished goods; and evaluation inventory at customer facilities. Obsolete inventory or inventory in excess of management's estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials, and other qualitative factors. Unanticipated changes in demand for the Company's products may require a write down of inventory, which would be reflected in cost of sales in the period the revision is made. Inventory acquired as part of a business combination is recorded at fair value on the date of acquisition.

Recent Accounting Standards Not Yet Adopted

In November 2023, the FASB issued ASU 2023-07 Segment Reporting (Topic 280) "Improvements to Reportable Segment Disclosures." This standard primarily enhances disclosures about significant segment expenses. The standard requires interim and annual disclosure of significant segment expenses that are regularly provided to the chief operating decision-maker ("CODM") and included within the reported measure of a segment's profit or loss, requires interim disclosures about a reportable segment's profit and loss and assets that are currently required annually, requires disclosure of the position and title of the CODM, clarifies circumstances in which an entity can disclose multiple segment measures of profit or loss and contains other disclosure requirements. This authoritative guidance is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is evaluating the effect of this new guidance on its consolidated financial statements.

In December 2023, the FASB issued ASU 2023-09 Improvements to Income Tax Disclosures (Topic 740). This amendment requires public entities to disclose consistent categories and greater disaggregation of information in the rate reconciliation and for income taxes paid. It also includes certain other amendments to improve the effectiveness of income tax disclosures. This authoritative guidance will be effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is evaluating the effect of this new guidance on its consolidated financial statements.

X - Definition

The entire disclosure for the basis of presentation and significant accounting policies concepts. Basis of presentation describes the underlying basis used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). Accounting policies describe all significant accounting policies of the reporting entity.

+ References

Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef-Topic_235-Name_Accounting_Standards_Codification-Publisher_FASB_URI https://asc.fasb.org/235/tableOfContent+Details Name: us-gaap_BasisOfPresentationAndSignificantAccountingPoliciesTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X -References No definition available.+ Details Name: us-gaap_OrganizationConsolidationAndPresentationOffinancialStatementsAbstract Namespace Prefix: us-gaap_Data Type: xhtml:stringItemType Balance Type: na Period Type: duration XML 19 R8.htm IDEA: XBRL DOCUMENT v3.24.3 Income Per Common Share 9 Months Ended Sep. 30, 2024 Income Per Common Share A Income Per Common Share Note 2 "Income Per Common Share". Basic income per share is calculated by dividing net income by the weighted average number of shares outstanding during the period. Diluted income per share is calculated by dividing net income available to common shareholders by the weighted average number of shares used to calculate basic income per share plus the weighted average number of common share equivalents outstanding during the period. The dilutive effect of outstanding options to purchase common stock and share-based awards is considered in diluted income per share by application of the treasury stock method. The dilutive effect of performance share units is included in diluted income per common share if the performance targets have been achieved, or would have been achieved if the reporting date was the end of the contingency period. Finally, the Company includes the dilutive effect of shares issuable upon conversion of its Notes in the calculation of diluted income per share using the if-converted method. The Company has the option for the 2025 and 2027 Notes to settle the conversion value in any combination of cash or shares, and as such, the maximum number of shares issuable are included in the dilutive share count if the effect would be dilutive. The Company must settle the principal amount of the 2029 Notes in cash, and has the option to settle any excess of the conversion value over the principal amount in any combination of cash or shares. As such, the Company only includes the excess shares that may be issuable above the principal amount of the 2029 Notes in the dilutive share count, if the effect would be dilutive. The computations of basic and diluted income per share for the three and nine months ended September 30, 2024 and 2023 are as follows:

	Three months ended September 30,	Nine months ended September 30,
(loss)	\$ 21,951	\$ 58,749
Net income (loss) available to common shareholders	\$ 22,466	\$ 58,749
Dilution adjustment	\$ 25,087	\$ 60,290
Total	\$ 47,553	\$ 119,039

BASIC AND DILUTED EARNINGS PER SHARE

Earnings per share is computed by dividing earnings attributable to holders of Class A ordinary shares by the weighted-average number of shares outstanding during the period. The computation of diluted earnings per share assumes the exercise of potentially dilutive share-based awards, convertible preferred stock, and convertible debt securities, except those whose exercise would result in ownership of more than 10% of the Company's equity. Potentially dilutive shares are excluded from the diluted calculation as their effect would be antidilutive.

Potential Shares Issued Under Equity Incentive Plans

Potential shares to be issued for settlement of the convertible notes excluded from the diluted calculation as their effect would be antidilutive.

X -References No definition available.+ Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_Data Type: xhtml:stringItemType Balance Type: na Period Type: duration X -DefinitionThe entire disclosure for earnings per share.+References Reference 1: http://www.xbrl.org/2003/role/disclosureRef-Topic_260-SUBTOPIC_10-Name_Accounting_Standards_Codification_Section_50_Paragraph_1-Subparagraph(c)-Publisher_FASB_URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Topic_260-SUBTOPIC_10-Name_Accounting_Standards_Codification_Publisher_FASB_URI https://asc.fasb.org/260/tableOfContentReference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic_260-SUBTOPIC_10-Name_Accounting_Standards_Codification_Section_50_Paragraph_2-Publisher_FASB_URI https://asc.fasb.org/1943274/2147482662/260-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef-Topic_260-SUBTOPIC_10-Name_Accounting_Standards_Codification_Section_50_Paragraph_3-Publisher_FASB_URI https://asc.fasb.org/1943274/2147482662/260-10-50-3+Details Name: us-gaap_EarningsPerShareTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 20 R9.htm IDEA: XBRL DOCUMENT v3.24.3 Business Combination 9 Months Ended Sep. 30, 2024 Business Combination A Business Combination Note 3 "Business Combination". On January 31, 2023, the Company acquired Epiluva AB, a privately held manufacturer of chemical vapor deposition (CVD) epitaxy systems that enable silicon carbide (SiC) applications in the electric vehicle market. This acquisition is expected to accelerate penetration into the emerging, high-growth SiC equipment market. The results of Epiluva's operations have been included in the consolidated financial statements since the date of acquisition. Acquisition date fair value totaled \$56.4 million, which included \$30.4 million of cash and \$26.1 million of contingent consideration. The purchase agreement included performance milestones that, if achieved, could trigger additional payments to the original selling shareholders. The contingent arrangements include payments up to \$15.0 million based on the timely completion of certain defined milestones tied to strategic targets, and up to \$20.0 million based on the percentage of orders received during the defined Earn-out period. The Earn-out period is four years after the closing date of the acquisition, or earlier if certain conditions are met. The Company estimated the fair value of the contingent consideration by assigning probabilities and discount factors to each of the various defined performance milestones, while using a Monte-Carlo simulation model to determine the most likely outcome for payments to be based on value of orders received. These fair value measurements are based on significant inputs not observable in the market and thus represent a Level 3 measurement as defined in ASC 820. The discount rate used was 5.54% for the strategic target and order value related contingent payments. The rate was determined based on the nature of the milestone, the risks and uncertainties involved and the time period until the milestone was measured. The determination of the various probabilities and discount factors is highly subjective, requires significant judgment, and is influenced by a number of factors, including the adoption of SIC technology. The aggregate fair value of the contingent consideration arrangement at the acquisition date was \$26.1 million. While the use of SIC is expected to grow in the near future, it is difficult to predict the rate at which SIC will be adopted by the market and thus would impact the sales of our equipment. The Company updates its estimate of fair value of the contingent consideration each reporting period, utilizing the same methodologies described above. The discount rate used was 4.9% at September 30, 2024 for the strategic target and order value related contingent payments. During the three and nine months ended September 30, 2024, the Company reduced the contingent consideration by \$4.6 million and \$4.8 million, respectively, included within Other operating expense (income), net in the Consolidated Statements of Operations. This reduction was based on management's probability-weighted present value of consideration expected to be transferred during the remainder of the earn-out period. Additionally, during the nine months ended September 30, 2024, the Company paid \$1.8 million to the original selling shareholders associated with the settlement of a strategic target milestone. Total contingent consideration liability as of September 30, 2024 was \$17.7 million, included within Other liabilities in the Consolidated Balance Sheet.

X -DefinitionThe entire disclosure for a business combination (or series of individually immaterial business combinations) completed during the period, including background, timing, and recognized assets and liabilities. The disclosure may include leverage buyout transactions (as applicable).

+References Reference 1: http://www.xbrl.org/2003/role/disclosureRef-Topic_805-SUBTOPIC_20-Name_Accounting_Standards_Codification_Section_50_Paragraph_5-Subparagraph(b)-Publisher_FASB_URI https://asc.fasb.org/805/tableOfContent+Details Name: us-gaap_BusinessCombinationDisclosureTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X -References No definition available.+ Details Name: us-gaap_BusinessCombinationsAbstract Namespace Prefix: us-gaap_Data Type: xhtml:stringItemType Balance Type: na Period Type: duration XML 21 R10.htm IDEA: XBRL DOCUMENT v3.24.3 Assets 9 Months Ended Sep. 30, 2024 Assets A Assets Note 4 "Assets". Investments—Short-term investments are generally classified as available-for-sale and reported at fair value, with unrealized gains and losses, net of tax, presented as a separate component of stockholders' equity under the caption Accumulated other comprehensive income in the Consolidated Balance Sheets. These securities may include U.S. treasuries, government agency securities, corporate debt, and commercial paper, all with maturities of greater than three months when purchased. All realized gains and losses and unrealized losses resulting from declines in fair value that are other than temporary are included in Other operating expense (income), net in the Consolidated Statements of Operations. Fair value is the price that would be received for an asset or the amount paid to transfer a liability in an orderly transaction between market participants. Veeco classifies certain assets based on the following fair value hierarchy: Level 1: Quoted prices in active markets that are unadjusted and accessible at the measurement date for identical, unrestricted assets or liabilities; Level 2: Quoted prices for identical assets and liabilities in markets that are not active, quoted prices for similar assets and liabilities in active markets or financial instruments for which significant inputs are observable, either directly or indirectly; and Level 3: Prices or valuations that require inputs that are both significant to the fair value measurement and unobservable. A financial instrument's level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Veeco has evaluated the estimated fair value of financial instruments using available market information and valuations as provided by third-party sources. The use of different market assumptions or estimation methodologies could have a significant effect on the estimated fair value amounts. The following table presents the portion of Veeco's assets that were measured at fair value on a recurring basis at September 30, 2024 and December 31, 2023:

Fair Value Hierarchy Category	September 30, 2024 (\$ millions)	December 31, 2023 (\$ millions)
Cash equivalents	\$ 62,838	

[illegible]

Capped Call Transactions into the 2027 Notes for tax purposes. The Company used a portion of the net proceeds from the offering of the 2027 Notes to pay for the Capped Call Transactions, and the cost of the Capped Call Transactions was recorded as a reduction of the Company's additional paid-in capital in the accompanying consolidated financial statements.

Revolving Credit Facility On December 16, 2021, the Company entered into a loan and security agreement providing for a senior secured revolving credit facility in an aggregate principal amount of \$150A million (the "Credit Facility"), including a \$15A million letter of credit sublimit. The Credit Facility is guaranteed by the Company's direct material U.S. subsidiaries, subject to customary exceptions. Borrowings under the Credit Facility are secured by a first-priority lien on substantially all of the assets of the Company, subject to customary exceptions. A Credit Facility has a term of A five years, maturing on December 16, 2026, or earlier if certain liquidity measures are not met prior to the 2025 Notes maturing. Subject to certain conditions and the receipt of commitments from the lenders, the Loan and Security Agreement allows for revolving commitments under the Credit Facility to be increased by up to \$75A million. The existing lenders under the Credit Facility are entitled, but not obligated, to provide such incremental commitments. On August 2, 2024, the Company obtained commitments from lenders to increase the Credit Facility by \$75 million, and as such the total available under the revised Credit Facility is \$225 million. Borrowings will bear interest at a floating rate which can be, at the Company's option, either (a) an alternate base rate plus an applicable rate ranging from 0.50% to 1.25% or (b) a Secured Overnight Financing Rate (SOFR) (with a floor of 0.00%) for the specified interest period plus an applicable rate ranging from 1.50% to 2.25%, in each case, depending on the Company's Secured Net Leverage Ratio (as defined in the Loan and Security Agreement). The Company will pay an unused commitment fee ranging from 0.25% to 0.35% based on unused capacity under the Credit Facility and the Company's Secured Net Leverage Ratio. The Company may use the proceeds of borrowings under the Credit Facility to pay transaction fees and expenses, provide for its working capital needs and reimburse drawings under letters of credit and for other general corporate purposes. The Loan and Security Agreement contains customary affirmative covenants for transactions of this type, including, among others, the provision of financial and other information to the administrative agent, notice to the administrative agent upon the occurrence of certain material events, preservation of existence, maintenance of properties and insurance, compliance with laws, including environmental laws, the provision of additional guarantees, and an affiliate transactions covenant, subject to certain exceptions. The Loan and Security Agreement contains customary negative covenants, including, among others, restrictions on the ability to merge and consolidate with other companies, incur indebtedness, refinance our existing convertible notes, grant liens or security interests on assets, make investments, acquisitions, loans, or advances, pay dividends, and sell or otherwise transfer assets. The Loan and Security Agreement contains financial maintenance covenants that require the Borrower to maintain an Interest Coverage Ratio (as defined in the Loan and Security Agreement) of not less than 3.00A to 1.00, a Total Net Leverage Ratio (as defined in the Loan and Security Agreement) of not more than 4.50A to 1.00, and a Secured Net Leverage Ratio (as defined in the Loan and Security Agreement) of not more than 2.50A to 1.00, in each case, tested at the end of each fiscal quarter commencing with the fiscal quarter ending September 30, 2022. The Loan and Security Agreement also provides for a number of customary events of default, including, among others: payment defaults to the lenders; voluntary and involuntary bankruptcy proceedings; covenant defaults; material inaccuracies of representations and warranties; certain change of control events; material money judgments; and other customary events of default. The occurrence of an event of default could result in the acceleration of obligations and the termination of lending commitments under the Loan and Security Agreement. No amounts were outstanding under the Credit Facility as of September 30, 2024 or December 31, 2023. Other Liabilities Other liabilities at September 30, 2024 and December 31, 2023 were approximately \$21.0 million and \$25.5 million, respectively; which primarily included contingent consideration of \$17.7 million and \$22.4 million, respectively; medical and dental benefits from former executives of \$1.9 million; and asset retirement obligations of \$0.9 million. X - ReferencesNo definition available. + Details Name: veco_BalanceSheetRelatedLiabilitiesDisclosuresAbstract Namespace Prefix: veco_Data Type: xbrl:stringItem Type Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for balance sheet liabilities. + ReferencesNo definition available. + Details Name: veco_BalanceSheetRelatedLiabilitiesDisclosuresTextBlock Namespace Prefix: veco_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 23 R12.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies 9 Months Ended Sep. 30, 2024 Commitments and Contingencies A Commitments and Contingencies Note 6 The Company's operating leases primarily include real estate leases for properties used for manufacturing, R&D activities, sales and service, and administration, as well as certain equipment leases. Some leases may include options to renew for a period of up to 5 years, while others may include options to terminate the lease. The weighted average remaining lease term of the Company's operating leases as of September 30, 2024 was 11 years, and the weighted average discount rate used in determining the present value of future lease payments was 5.7%. The following table provides the maturities of lease liabilities at September 30, 2024:

	Operating Leases	Lease Liabilities
As of September 30, 2024	\$ 870,202,546	\$ 4,528,202,746
As of December 31, 2023	\$ 870,202,546	\$ 4,528,202,746

Total lease costs for the three and nine months ended September 30, 2024 were \$1.2 million and \$3.6 million, respectively, and \$1.2 million and \$3.8 million, respectively for the comparable 2023 period. Variable lease costs for the three and nine months ended September 30, 2024 were \$0.3 million and \$1.0 million, respectively, and \$0.3 million and \$0.9 million, respectively for the comparable 2023 period. Additionally, the Company has an immaterial amount of short-term leases. Cash outflows from operating leases for the nine months ended September 30, 2024 and 2023 were \$5.0 million and \$4.4 million, respectively. Receivable Purchase Agreement The Company entered into a receivable purchase agreement with a financial institution to sell certain of its trade receivables from customers without recourse, up to \$30.0 million at any point in time. Pursuant to this agreement, the Company sold no receivables for the three months and \$8.0 million for the nine months ended September 30, 2024, and \$30.0 million was available under the agreement for additional sales of receivables as of September 30, 2024. The Company sold \$8.8 million and \$27.0 million, respectively, of receivables under this agreement for the three and nine months ended September 30, 2023. The net sale of accounts receivable under the agreement is reflected as a reduction of accounts receivable in the Company's Consolidated Balance Sheet at the time of sale and any fees for the sale of trade receivables were not material for the periods presented. Purchase Commitments Veeco has purchase commitments of \$174.4 million at September 30, 2024, substantially all of which become due within one year. Bank Guarantees Veeco has bank guarantees and letters of credit issued by a financial institution on its behalf as needed. At September 30, 2024, outstanding bank guarantees and standby letters of credit totaled \$23.3 million, and unused bank guarantees and letters of credit of \$18.4 million were available to be drawn upon. Legal Proceedings The Company is involved in various legal proceedings arising in the normal course of business. The Company does not believe that the ultimate resolution of these matters will have a material adverse effect on its consolidated financial position, results of operations, or cash flows. X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_Data Type: xbrl:stringItem Type Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for commitments and contingencies. + ReferenceReference 1: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 405-SubTopic 3-Name Accounting Standards Codification-Publisher FASB-URI https://asc.fasb.org/405-3/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef-Topic 440-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 450-Name Accounting Standards Codification-Publisher FASB-URI https://asc.fasb.org/450-tableOfContentReference 4: http://www.xbrl.org/2003/role/disclosureRef-Topic 954-SubTopic 440-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147478522/954-440-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef-Topic 440-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef-Topic 440-Name Accounting Standards Codification-Publisher FASB-URI https://asc.fasb.org/440-tableOfContent+Details Name: us-gaap_CommitmentsAndContingenciesDisclosureTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 24 R13.htm IDEA: XBRL DOCUMENT v3.24.3 Equity 9 Months Ended Sep. 30, 2024 Equity A Equity Note 7 The following tables present the changes in Stockholders' Equity:

	Accumulated Additional Paid-In Capital	Retained Earnings	Total
December 31, 2023	\$ 56,364	\$ 564	\$ 56,928
January 1, 2024	\$ 56,364	\$ 564	\$ 56,928
Net income	\$ 1,607	\$ 1,607	\$ 3,214
Other comprehensive income (loss)	\$ 21,854	\$ 21,854	\$ 43,708
Tax expense	\$ 273	\$ 273	\$ 546
Share-based compensation expense	\$ 8,082	\$ 8,082	\$ 16,164
Net issuance under employee stock plans	\$ 2,734	\$ 2,734	\$ 5,468
Balance at March 31, 2024	\$ 56,376	\$ 566	\$ 56,942
Net income	\$ 1,196	\$ 1,196	\$ 2,392
Other comprehensive income (loss)	\$ 1,479	\$ 1,479	\$ 2,958
Share-based compensation expense	\$ 12,938	\$ 12,938	\$ 25,876
Net issuance under employee stock plans	\$ 9,233	\$ 9,233	\$ 18,466
Balance at June 30, 2024	\$ 56,773	\$ 569	\$ 57,342
Net income	\$ 1,404	\$ 1,404	\$ 2,808
Other comprehensive income (loss)	\$ 1,404	\$ 1,404	\$ 2,808
Share-based compensation expense	\$ 9,459	\$ 9,459	\$ 18,918
Net issuance under employee stock plans	\$ 546	\$ 546	\$ 1,092
Balance at September 30, 2024	\$ 57,788	\$ 570	\$ 58,358
December 31, 2023	\$ 56,364	\$ 564	\$ 56,928
January 1, 2024	\$ 56,364	\$ 564	\$ 56,928
Net income	\$ 1,607	\$ 1,607	\$ 3,214
Other comprehensive income (loss)	\$ 21,854	\$ 21,854	\$ 43,708
Tax expense	\$ 273	\$ 273	\$ 546
Share-based compensation expense	\$ 8,082	\$ 8,082	\$ 16,164
Net issuance under employee stock plans	\$ 2,734	\$ 2,734	\$ 5,468
Balance at March 31, 2024	\$ 56,376	\$ 566	\$ 56,942
Net income	\$ 1,196	\$ 1,196	\$ 2,392
Other comprehensive income (loss)	\$ 1,479	\$ 1,479	\$ 2,958
Share-based compensation expense	\$ 12,938	\$	

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http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB 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https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph 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NonRule10b51ArrAdoptedFlag Namespace Prefix: ecd Data Type: xbrl:booleanItemType Balance Type: na Period Type: duration X -ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd Rule10b51ArrAdoptedFlag Namespace Prefix: ecd Data Type: xbrl:booleanItemType Balance Type: na Period Type: duration X -ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd Rule10b51ArrTrmtdFlag Namespace Prefix: ecd Data Type: xbrl:booleanItemType Balance Type: na Period Type: duration X -ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd Rule10b51ArrTrmtd

<https://asc.fasb.org/1943274/2147481231/810-10-45-12> - Details Name: us-gaap_FiscalPeriod Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - Definition Disclosure of inventory accounting policy for inventory classes, including, but not limited to, basis for determining inventory amounts, methods by which amounts are added and removed from inventory classes, loss recognition on impairment of inventories, and situations in which inventories are stated above cost. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 210-SubTopic 10-Name Accounting Standards Codification-Section 599-Paragraph 1-Subparagraph \(SX 210.5-02\(6\)\(b\)\)](http://www.xbrl.org/2003/role/disclosureRef-Topic 210-SubTopic 10-Name Accounting Standards Codification-Section 599-Paragraph 1-Subparagraph (SX 210.5-02(6)(b))) - Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2>: <http://www.xbrl.org/2003/role/disclosureRef-Topic 330-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Publisher FASB -URI https://asc.fasb.org/1943274/2147483080/330-10-50-1Reference 3>: <http://www.xbrl.org/2003/role/disclosureRef-Topic 210-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1Reference 4>: [http://www.xbrl.org/2003/role/disclosureRef-Topic 235-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph \(d\)-Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 5](http://www.xbrl.org/2003/role/disclosureRef-Topic 235-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph (d)-Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 5): <http://www.xbrl.org/2003/role/disclosureRef-Topic 912-SubTopic 330-Name Accounting Standards Codification-Section 50-Paragraph 1-Publisher FASB -URI https://asc.fasb.org/1943274/2147478411/912-330-50-1Reference 6>: <http://www.xbrl.org/2003/role/disclosureRef-Topic 330-Name Accounting Standards Codification-Publisher FASB -URI https://asc.fasb.org/330/tableOfContentReference 7>: <http://www.xbrl.org/2003/role/disclosureRef-Topic 330-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Publisher FASB -URI https://asc.fasb.org/1943274/2147483080/330-10-50-4Reference 8>: [http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 17-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-17Reference 2](http://www.xbrl.org/2003/role/disclosureRef-Name Accounting Standards Codification-Section 45-Paragraph 6-Subparagraph (a)-SubTopic 10-Topic 270-Publisher FASB -URI https://asc.fasb.org/1943274/2147482989/270-10-45-6+Details Name: us-gaap_InventoriesPolicyTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - Definition Disclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact. + ReferencesNo definition available. + Details Name: us-gaap_NewAccountingPronouncementsPolicyTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition Disclosure of accounting policy for revenue from contract with customer. + ReferencesReference 1: <a href=): <http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 19-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-19Reference 3>: [http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 18-Subparagraph \(a\)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-18Reference 4](http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 18-Subparagraph (a)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-18Reference 4): [http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 18-Subparagraph \(b\)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-18Reference 5](http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 18-Subparagraph (b)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-18Reference 5): [http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 20-Subparagraph \(a\)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 6](http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 20-Subparagraph (a)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 6): [http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 20-Subparagraph \(c\)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 7](http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 20-Subparagraph (c)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 7): [http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 20-Subparagraph \(d\)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 8](http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 20-Subparagraph (d)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 8): [http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 20-Subparagraph \(e\)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 9](http://www.xbrl.org/2003/role/disclosureRef-Topic 606-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 20-Subparagraph (e)-Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 9): [http://www.xbrl.org/2003/role/exampleRef-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph \(e\)-SubTopic 10-Topic 235-Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 10](http://www.xbrl.org/2003/role/exampleRef-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph (e)-SubTopic 10-Topic 235-Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 10): [http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 275-SubTopic 10-Section 50-Paragraph 9-Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-9Reference 2](http://www.xbrl.org/2003/role/disclosureRef-Name Accounting Standards Codification-Topic 606-Publisher FASB -URI https://asc.fasb.org/606/tableOfContent+Details Name: us-gaap_RevenueFromContractWithCustomerPolicyTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - Definition Disclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles. + ReferencesReference 1: <a href=): [http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 275-SubTopic 10-Section 50-Paragraph 4-Publisher FASB -URI https://asc.fas](http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 275-SubTopic 10-Section 50-Paragraph 4-Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-4Reference 3)

[illegible]

from external customers for each product or service or each group of similar products or services if the information is not provided as part of the reportable operating segment information. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 40 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-40> + Details Name: us-gaap_ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - DefinitionTabular disclosure of information concerning material long-lived assets (excluding financial instruments, customer relationships with financial institutions, mortgage and other servicing rights, deferred policy acquisition costs, and deferred taxes assets) located in identified geographic areas and/or the amount of revenue from external customers attributed to that country from which revenue is material. An entity may also provide subtotals of geographic information about groups of countries. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-2>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 41 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-41> + Details Name: us-gaap_ScheduleOfRevenuesFromExternalCustomersAndLongLivedAssetsByGeographicalAreasTableTextBlock Namespace Prefix: us-gaap_Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration XML 39 R28.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation - Fiscal Period (Details) 9 Months Ended Sep. 30, 2024 Significant Accounting Policies A Fiscal period duration (in days) 91 days X - DefinitionDuration of a fiscal period, in 'PnYnMnDnTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Includes, but not limited to, weeks in a year or quarter. + ReferencesNo definition available. + Details Name: us-gaap_FiscalPeriodDuration Namespace Prefix: us-gaap_Data Type: xbrli:durationItem Type Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOffFinancialStatementsAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration XML 40 R29.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation - Revenue Recognition (Details) 9 Months Ended Sep. 30, 2024 Significant Accounting Policies A Revenue, practical expedient, incremental cost of obtaining contract true X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOffFinancialStatementsAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionIndicates (true false) whether practical expedient was elected to recognize incremental cost of obtaining contract as expense when incurred if amortization period would have been one year or less. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479806/606-10-50-22>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479483/340-40-50-5> + Details Name: us-gaap_RevenuePracticalExpedientIncrementalCostOfObtainingContract Namespace Prefix: us-gaap_Data Type: xbrli:booleanItem Type Balance Type: na Period Type: duration XML 41 R30.htm IDEA: XBRL DOCUMENT v3.24.3 Income Per Common Share - Basic and Diluted (Details) - USD (\$) \$ / shares in Units, shares in Thousands, \$ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2023 Numerator: A A A Net income (loss) \$ 21,951 \$ 24,574 \$ 58,749 \$ (52,005) Interest expense associated with convertible notes 515 513 1,541 A Net income (loss) available to common shareholders \$ 22,466 \$ 25,087 \$ 60,290 \$ (52,005) Denominator: A A A Basic weighted average shares outstanding 56,410 55,352 56,256 52,978 Effect of potentially dilutive share-based awards 1,606 1,391 1,329 A Dilutive effect of convertible notes 4,638 2,893 4,518 A Diluted weighted average shares outstanding 62,654 59,636 62,103 52,978 Net income (loss) per common share: A A A Basic (in dollars per share) \$ 0.39 \$ 0.44 \$ 1.04 \$ (0.98) Diluted (in dollars per share) \$ 0.36 \$ 0.42 \$ 0.97 \$ (0.98) X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482635/260-10-55-52>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147476176/805-60-65-1>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478666/740-323-65-2>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-3>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482635/260-10-55-15>Reference 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-11>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-7>Reference 12: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-2>Reference 13: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-4>Reference 15: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482662/260-10-50-1>Reference 16: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-10>Reference 17: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-2>Reference 18: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478524/942-220-S99-1>Reference 19: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477250/944-220-S99-1>Reference 20: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-7> + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_Data Type: dtr-types:perShareItem Type Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482635/260-10-55-52>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147476176/805-60-65-1>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478666/740-323-65-2>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-3>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482635/260-10-55-15>Reference 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-11>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-7>Reference 12: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-2>Reference 13: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-60B>Reference 14: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482662/260-10-50-4>Reference 15: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482662/260-10-50-1>Reference 16: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-2>Reference 17: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478524/942-220-S99-1>Reference 18: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477250/944-220-S99-1>Reference 19: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-7> + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_Data Type: dtr-types:perShareItem Type Balance Type: na Period Type: duration X - DefinitionAdditional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of convertible debt securities using the if-converted method. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482662/260-10-50-1>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 42 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-42>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-40> + Details Name: us-gaap_IncrementalCommonSharesAttributableToConversionOfDebtSecurities Namespace Prefix: us-gaap_Data Type: xbrli:sharesItem Type Balance Type: na Period Type: duration X - DefinitionAdditional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of share based payment arrangements using the treasury stock method. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480454/718-10-45-1>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482662/260-10-50-1>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 22 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-22>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 23 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-23>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28A -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-28A> + Details Name: us-gaap_IncrementalCommonSharesAttributableToShareBasedPaymentArrangements Namespace Prefix: us-gaap_Data Type: xbrli:sharesItem Type Balance Type: na Period Type: duration X - DefinitionAmount, after tax, of interest recognized on convertible debt instrument excluding interest on principal required to be paid in cash. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482662/260-10-50-1>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-16>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-4> + Details Name: us-gaap_InterestOnConvertibleDebtNetOfTax Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147476176/805-60-65-1>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-3>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-11>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-11>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-4>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 6.B) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-5>Reference 7: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482662/260-10-50-1>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-10>Reference 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-11>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482689/260-10-45-60B> +

Details Name: us-gaap_NetIncomeLossAvailableToCommonStockholdersBasic Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities, and addition from assumption of issuance of common shares for dilutive potential common shares; of income (loss) available to common shareholders. + ReferencesReference 1:

.us-treasuries-
A A Cash equivalents
A A Total Cash equivalents
62,838 62,838 74,262 Measured on a recurring basis | Level 1 | Money market cash
A A Cash equivalents
A A Total Cash equivalents
24,894 24,894 21,587 Measured on a recurring basis | Level 2
A A Cash equivalents
A A Total Cash equivalents
86,141 86,141 87,171 Measured on a recurring basis | Level 2 | Government agency securities
A A Short-term investments
A A Total Short-term investments
18,757 18,757 41,818 Measured on a recurring basis | Level 2 | Corporate debt
A A Short-term investments
A A Total Short-term investments
\$ 67,384 \$ 67,384 35,409 Measured on a recurring basis | Level 2 | Commercial paper
A A Short-term investments
A A Total Short-term investments
A 9,944 Measured on a recurring basis | Level 2 | Corporate debt
A A Cash equivalents
A A Total Cash equivalents
A \$ 1,988 X - ReferencesNo definition available. + Details Name: us-gaap_CashAndCashEquivalentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFair value portion of investment securities, including, but not limited to, marketable securities, derivative financial instruments, and investments accounted for under the equity method. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2E -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2EReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_InvestmentsFairValueDisclosure Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ShortTermInvestmentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFair value portion of short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesNo definition available. + Details Name: veco_CashEquivalentsFairValueDisclosure Namespace Prefix: veco_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of transfers of assets measured on a recurring basis out of Level 1 of the fair value hierarchy into Level 2. + ReferencesNo definition available. + Details Name: veco_FairValueAssetsLevel1ToLevel2TransfersAmount1 Namespace Prefix: veco_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of transfers of assets measured on a recurring basis out of Level 2 of the fair value hierarchy into Level 1. + ReferencesNo definition available. + Details Name: veco_FairValueAssetsLevel2ToLevel1TransfersAmount1 Namespace Prefix: veco_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_FairValueByMeasurementFrequencyAxis=us-gaap_FairValueMeasurementsRecurringMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_USTreasurySecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_USGovernmentAgenciesDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_CorporateDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_CommercialPaperMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=veco_CertificateOfDepositsAndTimeDepositsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_MoneyMarketFundsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel1Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel2Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 45 R34.htm IDEA: XBRL DOCUMENT v3.24.3 Assets - Available-For-Sale Securities (Details) - USD (\$) in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2024 Dec. 31, 2023 Total available-for-sale securities A A Amortized Cost \$ 157,423 \$ 157,423 \$ 146,775 Gross Unrealized Gains 174 174 18 Gross Unrealized Losses (63) (63) (129) Estimated Fair Value 157,534 157,534 146,664 Available-for-sale securities in a loss position A A Investments, Continuous loss position for less than 12 months, Estimated Fair Value 69,742 69,742 101,265 Investments, Continuous loss position for less than 12 months, Gross Unrealized Losses (63) (63) (114) Investments, Continuous loss position for 12 months or more, Estimated Fair Value A A 2,618 Investments, Continuous loss position for 12 months or more, Gross Unrealized Losses A (15) Contractual maturities - Amortized Cost A A Amortized Cost, Due in one year or less 145,355 145,355 A Amortized Cost, Due after one year through two years 12,068 12,068 A Amortized Cost 157,423 157,423 146,775 Contractual maturities - Estimated Fair Value A A 157,534 157,534 146,664 Realized gains or losses A A Realized gains or losses 0 0 A Unrealized losses 0 0 U.S. treasuries A A Total available-for-sale securities A A Amortized Cost 71,317 71,317 59,541 Gross Unrealized Gains 86 86 3 Gross Unrealized Losses (10) (10) (51) Estimated Fair Value 71,393 71,393 59,493 Available-for-sale securities in a loss position A A Investments, Continuous loss position for less than 12 months, Estimated Fair Value 37,809 37,809 43,118 Investments, Continuous loss position for less than 12 months, Gross Unrealized Losses (10) (10) (50) Contractual maturities - Amortized Cost A A Amortized Cost 71,317 71,317 59,541 Contractual maturities - Estimated Fair Value A A Available-for-sale Securities, Debt Securities, Total 71,393 71,393 59,493 Government agency securities A A Total available-for-sale securities A A Amortized Cost 18,752 18,752 41,843 Gross Unrealized Gains 26 26 6 Gross Unrealized Losses (21) (21) (31) Estimated Fair Value 18,757 18,757 41,818 Available-for-sale securities in a loss position A A Investments, Continuous loss position for less than 12 months, Estimated Fair Value 7,238 7,238 34,885 Investments, Continuous loss position for less than 12 months, Gross Unrealized Losses (21) (21) (31) Contractual maturities - Amortized Cost A A Amortized Cost 18,752 18,752 41,843 Contractual maturities - Estimated Fair Value A A Available-for-sale Securities, Debt Securities, Total 18,757 18,757 41,818 Corporate debt A A Total available-for-sale securities A A Amortized Cost 67,354 67,354 35,447 Gross Unrealized Gains 62 62 9 Gross Unrealized Losses (32) (32) (47) Estimated Fair Value 67,384 67,384 35,409 Available-for-sale securities in a loss position A A Investments, Continuous loss position for less than 12 months, Estimated Fair Value 24,695 24,695 23,262 Investments, Continuous loss position for less than 12 months, Gross Unrealized Losses (32) (32) (33) Investments, Continuous loss position for 12 months or more, Estimated Fair Value A A 2,618 Investments, Continuous loss position for 12 months or more, Gross Unrealized Losses A (15) Contractual maturities - Amortized Cost A A Amortized Cost 67,354 67,354 35,447 Contractual maturities - Estimated Fair Value A A Available-for-sale Securities, Debt Securities, Total 67,384 67,384 35,409 Commercial paper A A Total available-for-sale securities A A Amortized Cost A 9,944 Estimated Fair Value A 9,944 Contractual maturities - Amortized Cost A A Amortized Cost A 9,944 Contractual maturities - Estimated Fair Value A A Available-for-sale Securities, Debt Securities, Total A A 9,944 X - DefinitionAmount, before tax, of unrealized gain in accumulated other comprehensive income (AOCI) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2 + Details Name: us-gaap_AvailableForSaleDebtSecuritiesAccumulatedGrossUnrealizedGainBeforeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, before tax, of unrealized loss in accumulated other comprehensive income (AOCI) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2 + Details Name: us-gaap_AvailableForSaleDebtSecuritiesAccumulatedGrossUnrealizedLossBeforeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479130/326-30-45-1 + Details Name: us-gaap_AvailableForSaleDebtSecuritiesAmortizedCostBasis Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of unrealized loss on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2 + Details Name: us-gaap_AvailableForSaleDebtSecuritiesGrossUnrealizedLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_AvailableForSaleSecuritiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next rolling fiscal year following latest fiscal year. For interim and annual periods when interim period is reported on rolling approach, from latest statement of financial position date. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3 + Details Name: us-gaap_AvailableForSaleSecuritiesDebtMaturitiesNextRollingTwelveMonthsAmortizedCostBasis Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next rolling fiscal year following latest fiscal year. For interim and annual periods when interim period is reported on rolling approach, from latest statement of financial position date. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org

(available-for-sale), in continuous unrealized loss position for less than 12 months, without allowance for credit loss. Includes beneficial interest in securitized financial asset. + ReferencesReference 1:

50 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482573/350-20-50-1> + Details Name: us-gaap_GoodwillPeriodIncreaseDecrease Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_GoodwillRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 51 R40.htm IDEA: XBRL DOCUMENT v3.24.3 Assets - Intangible Assets (Details) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Intangible assets Á Á Gross Carrying Amount, Intangible assets \$ 537,509 \$ 537,509 Accumulated Amortization and Impairment, Intangible assets 498,967 493,564 Total Net Intangible Assets 38,542 43,945 Technology Á Á Intangible assets Á Á Gross Carrying Amount, Intangible assets 355,928 355,928 Accumulated Amortization and Impairment, Intangible assets 325,145 321,923 Total Net Intangible Assets 30,783 34,005 Customer relationship Á Á Intangible assets Á Á Gross Carrying Amount, Intangible assets 146,925 146,925 Accumulated Amortization and Impairment, Intangible assets 139,166 137,649 Total Net Intangible Assets 7,759 9,276 Trademarks and tradenames Á Á Intangible assets Á Á Gross Carrying Amount, Intangible assets 30,910 30,910 Accumulated Amortization and Impairment, Intangible assets 30,910 30,269 Total Net Intangible Assets Á 641 Other Intangible Assets Á Á Intangible assets Á Á Gross Carrying Amount, Intangible assets 3,746 3,746 Accumulated Amortization and Impairment, Intangible assets \$ 3,746 3,723 Total Net Intangible Assets Á \$ 23 X - DefinitionAmount before amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: <http://www.xbrli.org/2003/role/exampleRef> -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482640/350-30-55-40>Reference 2: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 350 -SubTopic 10 -Name Accounting Standards Codification -Section 545 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480265/350-10-545-1>Reference 3: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482665/350-30-50-2>Reference 4: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 928 -SubTopic 340 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478859/928-340-50-1> + Details Name: us-gaap_FiniteLivedIntangibleAssetsGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: <http://www.xbrli.org/2009/role/commonPracticeRef> -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482665/350-30-50-2>Reference 2: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483154/926-20-50-5> + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: veco_FiniteLivedAndIndefiniteLivedIntangibleAssetsByMajorClassLineItems Namespace Prefix: veco_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAccumulated amount of amortization and impairment of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesNo definition available. + Details Name: veco_FiniteLivedIntangibleAssetsAccumulatedAmortizationAndImpairment Namespace Prefix: veco_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TechnologyBasedIntangibleAssetsMember Namespace Prefix: Data Type: na Balance Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_CustomerRelationshipsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TrademarksAndTradeNamesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_OtherIntangibleAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 52 R41.htm IDEA: XBRL DOCUMENT v3.24.3 Liabilities - Accrued Expenses and Other Current Liabilities (Details) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Accrued expenses and other current liabilities Á Á Payroll and related benefits \$ 30,475 \$ 28,321 Warranty 8,952 8,864 Operating lease liabilities 3,602 4,025 Interest 2,837 1,149 Professional fees 1,953 1,834 Income, sales, use, and other taxes 5,422 1,825 Contingent consideration Á 1,814 Other 3,876 9,792 Total accrued expenses and other current liabilities \$ 57,117 \$ 57,624 X - ReferencesNo definition available. + Details Name: us-gaap_AccruedLiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of obligations incurred through that date and payable for professional fees, such as for legal and accounting services received. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap_AccruedProfessionalFeesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liability recognized arising from contingent consideration in a business combination, expected to be settled within one year or the normal operating cycle, if longer. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 805 -SubTopic 30 -Name Accounting Standards Codification -Section 35 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479613/805-30-35-1>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 805 -SubTopic 30 -Section 25 -Paragraph 6 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479668/805-30-25-6> + Details Name: us-gaap_BusinessCombinationContingentConsiderationLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap_EmployeeRelatedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of [accrued] interest payable on all forms of debt, including trade payables, that has been incurred and is unpaid. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap_InterestPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479041/842-20-45-1> + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of expenses incurred but not yet paid classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap_OtherAccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred through that date and payable for estimated claims under standard and extended warranty protection rights granted to customers. For classified balance sheets, represents the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 2: <http://www.xbrli.org/2009/role/commonPracticeRef> -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (c)(1) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482425/460-10-50-8>Reference 3: <http://www.xbrli.org/2009/role/commonPracticeRef> -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (c)(5) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482425/460-10-50-8> + Details Name: us-gaap_ProductWarrantyAccrualClassifiedCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable for statutory income, sales, use, payroll, excise, real, property and other taxes. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1> + Details Name: us-gaap_TaxesPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). Also includes amount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesNo definition available. + Details Name: veco_AccruedAndOtherLiabilitiesCurrent Namespace Prefix: veco_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 53 R42.htm IDEA: XBRL DOCUMENT v3.24.3 Liabilities - Warranty (Details) \$ in Thousands 9 Months Ended Sep. 30, 2024 USD (\$) Warranty Á Warranty period 1 year Balance, beginning of the period \$ 8,864 Warranties issued 4,526 Consumption of reserves (4,928) Changes in estimate 490 Balance, end of the period \$ 8,952 X - ReferencesNo definition available. + Details Name: us-gaap_ProductWarrantiesIssuedAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of obligations incurred through that date and payable for estimated claims under standard and extended warranty protection rights granted to customers. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(15)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478564/942-210-S99-1>Reference 2: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482425/460-10-50-4>Reference 3: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (c)(1) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482425/460-10-50-8>Reference 4: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (c)(5) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482425/460-10-50-8> + Details Name: us-gaap_ProductWarrantyAccrual Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of decrease in the standard and extended product warranty accrual from payments made in cash or in kind to satisfy claims under the terms of the standard and extended product warranty. + ReferencesReference 1: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (c)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482425/460-10-50-8> + Details Name: us-gaap_ProductWarrantyAccrualPayments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in the standard and extended product warranty accrual from changes in estimates attributable to preexisting product warranties. + ReferencesReference 1: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (c)(4) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482425/460-10-50-8> + Details Name: us-gaap_ProductWarrantyAccrualPreexistingIncreaseDecrease Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase in the standard and extended product warranty accrual from warranties issued. + ReferencesReference 1: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (c)(3) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482425/460-10-50-8> + Details Name: us-gaap_ProductWarrantyAccrualWarrantiesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionRepresents the warranty period from the date of final acceptance on the products purchased by customers. + ReferencesNo definition available. + Details Name: veco_ProductWarrantyPeriod Namespace Prefix: veco_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration XML 54 R43.htm IDEA: XBRL DOCUMENT v3.24.3 Liabilities - Contract Liabilities (Details) - USD (\$) \$ in Millions 9 Months Ended Sep. 30, 2024 Dec. 31, 2023 Changes in deferred revenue Á Á Contract liability Á \$ 118.0 Amount of contract liability recognized into revenue \$ 79.5 Á X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable. + ReferencesReference 1: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479837/606-10-45-1>Reference 2: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479806/606-10-50-8>Reference 3: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479837/606-10-45-2> + Details Name: us-gaap_ContractWithCustomerLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of revenue recognized that was previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due. + ReferencesReference 1: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479806/606-10-50-8> + Details Name: us-gaap_ContractWithCustomerLiabilityRevenueRecognized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_MovementInDeferredRevenueRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 55 R44.htm IDEA: XBRL DOCUMENT v3.24.3 Liabilities - Performance Obligations Timing (Details) \$ in Millions 9 Months Ended Sep. 30, 2024 USD (\$) Performance obligations Á Remaining performance obligations \$ 69.2 Revenue, Practical Expedient, Remaining Performance Obligation true Minimum Á Performance obligations Á Performance obligation at time of contract origination 1 year Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]: 2024-10-01 Á Performance obligations Á Percentage of remaining performance obligation expected to be recognized 85.00% Remaining performance obligations, expected timing of satisfaction 1 year Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]: 2024-10-01 | Minimum Á Performance obligations Á Remaining performance obligations, expected timing of satisfaction 1 year Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]: 2024-10-01 | Maximum Á Performance obligations Á Remaining performance obligations, expected timing of satisfaction 3 years X - DefinitionIndicates (true false) whether optional exemption was applied not to disclose amount of transaction price allocated to and explanation of expected timing of revenue recognition for remaining performance obligation, when contract has expected duration of one year or less or right to consideration corresponds directly to performance completed. + ReferencesReference 1: <http://www.xbrli.org/2003/role/disclosureRef> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479806/606-10-50-15> + Details Name: us-gaap_RevenuePracticalExpedientRemainingPerformanceObligation Namespace Prefix: us-gaap_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionAmount of transaction price allocated to performance obligation that has not been recognized as revenue. + ReferencesReference 1: <http://www.xbrli.org/2003/role/disclosureRef> -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -SubTopic 10 -Topic 606 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479806/606-10-50-13> + Details Name: us-gaap_RevenueRemainingPerformanceObligation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-

[RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionOriginalPeriod](#) Namespace Prefix: us-gaap_ Data Type: xbrli:durationItem Type Balance Type: na Period Type: duration X - DefinitionPeriod in which remaining performance obligation is expected to be recognized as revenue, in 'PnYnMndTnHnMns' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 835 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph \(b\)\(1\) -Subtopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13 + Details Name: us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod1](http://www.xbrl.org/2003/role/disclosureRef-Topic 835 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(1) -Subtopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13 + Details Name: us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod1) Namespace Prefix: us-gaap_ Data Type: xbrli:durationItem Type Balance Type: na Period Type: instant X - DefinitionPeriod at time of contract origination in which remaining performance obligation is expected to be recognized as revenue, in 'PnYnMndTnHnMns' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: veco_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionOriginalPeriod Namespace Prefix: veco_ Data Type: xbrli:durationItem Type Balance Type: na Period Type: duration X - DefinitionPercentage of remaining performance obligation expected to be recognized. + ReferencesNo definition available. + Details Name: veco_RevenueRemainingPerformanceObligationExpectedTimingPercentage Namespace Prefix: veco_ Data Type: dtr-types:percentItem Type Balance Type: na Period Type: instant X - Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionStartDateAxis=2024-10-01 Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 56 R45.htm IDEA: XBRL DOCUMENT v3.24.3 Liabilities - 2023, 2025, 2027 and 2029 Convertible Senior Notes (Details) - USD (\$) \$ in Thousands, shares in Millions 9 Months Ended 12 Months Ended May 19, 2023 May 18, 2020 Sep. 30, 2023 Dec. 31, 2023 Dec. 31, 2021 Dec. 31, 2020 Sep. 30, 2024 Nov. 17, 2020 Jan. 10, 2017 Debt Á Á Á Á Á Á Á Á Principal amount Á Á Á Á \$ 281,500 Á Á Á \$ 281,500 Á Á Á Proceeds from issuance of Notes, net of issuance cost Á Á Á \$ 223,202 Á Á Á Á Cash paid for repurchase of notes Á Á Á \$ 218,991 Á Á Á Á 2023 Notes Á Á Á Á Á Á Á Debt Á Á Á Á Á Á Á Principal amount Á Á Á Á Á Á Á \$ 345,000 Interest rate (as a percent) Á Á Á Á Á 2.70% Repurchased and retired amount Á Á Á \$ 111,500 \$ 213,300 Á Á Á 2025 Notes and 2027 Notes Á Á Á Á Á Á Á Debt Á Á Á Á Á Á Á Repurchased and retired amount \$ 198,800 Á Á Á Á Á 2025 Notes Á Á Á Á Á Á Á Debt Á Á Á Á Á Á Á Principal amount Á Á Á \$ 26,500 Á Á \$ 132,500 Á Á Interest rate (as a percent) Á Á Á Á Á 3.50% Repurchased and retired amount 106,000 Á Á Á Á Á Carrying amount of debt extinguished 105,400 Á Á Á Á Á Á Cash paid for repurchase of notes \$ 106,000 Á Á Á Á Á Á Number of shares of common stock used for repurchase of notes 0.7 Á Á Á Á Á Á 2025 Notes | Other income (expense), net Á Á Á Á Á Á Debt Á Á Á Á Á Á Loss on extinguishment of debt Á Á Á 16,500 Á Á Á Á 2027 Notes Á Á Á Á Á Á Debt Á Á Á Á Á Á Principal amount Á \$ 125,000 Á 25,000 Á Á 25,000 Á Á Interest rate (as a percent) Á 3.75% Á Á Á Á Á Proceeds from issuance of Notes, net of issuance cost Á \$ 121,900 Á Á Á Á Repurchased and retired amount \$ 100,000 Á Á Á Á Á Carrying amount of debt extinguished 98,500 Á Á Á Á Á Cash paid for repurchase of notes \$ 92,800 Á Á Á Á Á Number of shares of common stock used for repurchase of notes 3.8 Á Á Á Á Á Purchase of capped calls Á \$ 10,300 Á Á Á Á Á 2027 Notes | Other income (expense), net Á Á Á Á Á Á Debt Á Á Á Á Á Á Loss on extinguishment of debt Á Á Á 80,600 Á Á Á Á 2029 Notes Á Á Á Á Á Á Debt Á Á Á Á Á Á Principal amount \$ 230,000 Á Á \$ 230,000 Á Á \$ 230,000 Á Á Interest rate (as a percent) 2.875% Á Á Á Á Á Proceeds from issuance of Notes, net of issuance cost \$ 223,200 Á Á Á Á Á X - DefinitionFace (par) amount of debt instrument at time of issuance. + ReferencesReference 1:

1BReference 3:

Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1 + Details Name: us-gaap DebtInstrumentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionCap price of the capped call transactions. + ReferencesNo definition available. + Details Name: veco_ CappedCallTransactionsCapPrice Namespace Prefix: veco_ Data Type: dtr-types:perShareItem Type Balance Type: na Period Type: duration X - DefinitionAggregate price of capped call transaction. + ReferencesNo definition available. + Details Name: veco_ CappedCallTransactionsPrice Namespace Prefix: veco_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - Details Name: us-gaap_ DerivativeInstrumentRiskAxis=veco_ DerivativeContractCappedCallMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 61 R50.htm IDEA: XBRL DOCUMENT v3.24.3 Liabilities - Revolving Credit Facility (Details) - USD (\$) \$ in Millions 9 Months Ended 12 Months Ended Aug. 02, 2024 Dec. 16, 2021 Sep. 30, 2024 Dec. 31, 2023 Credit Facility Á Á Á Debt Á Á Á Borrowing capacity \$ 225 \$ 150 Á Á Debt instrument term Á 5 years Á Á Additional increase in borrowing subject to certain conditions Á \$ 75 Á Á Amount of increase in borrowing capacity \$ 75 Á Á Outstanding amount Á Á \$ 0 \$ 0 Credit Facility | Minimum Á Á Á Debt Á Á Á Unused commitment fee percentage (as a percent) Á 0.25% Á Á Interest coverage ratio Á 3.00 Á Á Credit Facility | Maximum Á Á Á Debt Á Á Á Unused commitment fee percentage (as a percent) Á 0.35% Á Á Total net leverage ratio Á 4.50 Á Á Secured net leverage ratio Á 2.50 Á Á Credit Facility | Base rate | Minimum Á Á Á Debt Á Á Á Basis spread on base rate (as a percent) Á 0.50% Á Á Credit Facility | Base rate | Maximum Á Á Á Debt Á Á Á Basis spread on base rate (as a percent) Á 1.25% Á Á Credit Facility | SOFR Á Á Á Debt Á Á Á Floor rate on debt instrument (as a percent) Á 0.00% Á Á Credit Facility | SOFR | Minimum Á Á Á Debt Á Á Á Basis spread on base rate (as a percent) Á 1.50% Á Á Credit Facility | SOFR | Maximum Á Á Á Debt Á Á Á Basis spread on base rate (as a percent) Á 2.25% Á Á Credit Facility, Letter of Credit Á Á Á Debt Á Á Á Borrowing capacity Á \$ 15 Á Á X - DefinitionPercentage points added to the reference rate to compute the variable rate on the debt instrument. + ReferencesNo definition available. + Details Name: us-gaap_ DebtInstrumentBasisSpreadOnVariableRate1 Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItem Type Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69E -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69EReference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69F -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69FReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 26: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1 + Details Name: us-gaap DebtInstrumentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionPeriod of time between issuance and maturity of debt instrument, in PnYnMnDnTnHnMnS' format, for example, 'P1Y15M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: us-gaap_ DebtInstrumentTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItem Type Balance Type: na Period Type: duration X - DefinitionMaximum amount borrowed under the credit facility at any time during the period. + ReferencesNo definition available. + Details Name: us-gaap_ LineOfCreditFacilityMaximumAmountOutstandingDuringPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: duration X - DefinitionMaximum borrowing capacity under the credit facility without consideration of any current restrictions on the amount that could be borrowed or the amounts currently outstanding under the facility. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_ LineOfCreditFacilityMaximumBorrowingCapacity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - DefinitionThe fee, expressed as a percentage of the line of credit facility, for available but unused credit capacity under the credit facility. + ReferencesNo definition available. + Details Name: us-gaap_ LineOfCreditFacilityUnusedCapacityCommitmentFeePercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItem Type Balance Type: na Period Type: duration X - DefinitionFloor rate on debt instrument. + ReferencesNo definition available. + Details Name: veco_ DebtInstrumentFloorRate Namespace Prefix: veco_ Data Type: dtr-types:percentItem Type Balance Type: na Period Type: instant X - DefinitionInterest coverage ratio, as defined by the agreement. + ReferencesNo definition available. + Details Name: veco_ DebtInstrumentInterestCoverageRatio Namespace Prefix: veco_ Data Type: xbrli:pureItem Type Balance Type: na Period Type: duration X - DefinitionSecured net leverage ratio, as defined by the agreement. + ReferencesNo definition available. + Details Name: veco_ DebtInstrumentSecuredNetLeverageRatio Namespace Prefix: veco_ Data Type: xbrli:pureItem Type Balance Type: na Period Type: instant X - DefinitionTotal net leverage ratio, as defined by the agreement. + ReferencesNo definition available. + Details Name: veco_ DebtInstrumentTotalNetLeverageRatio Namespace Prefix: veco_ Data Type: xbrli:pureItem Type Balance Type: na Period Type: instant X - DefinitionThe contingent increase above the maximum borrowing capacity under the credit facility, if any one or more of the existing banks or new banks agree to provide such increased commitment amount. + ReferencesNo definition available. + Details Name: veco_ LineOfCreditFacilityContingentIncreaseAdditionalBorrowingCapacity Namespace Prefix: veco_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: duration X - DefinitionThe amount of increase in borrowing capacity available due to entity obtaining commitments from existing banks or new banks to provide such increased commitment amount. + ReferencesNo definition available. + Details Name: veco_ LineOfCreditFacilityContingentIncreaseAdditionalBorrowingCapacityAmountOfIncrease Namespace Prefix: veco_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: duration X - Details Name: us-gaap_ DebtInstrumentAxis=veco_ RevolvingCreditFacilityDecember2021Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ VariableRateAxis=us-gaap_ BaseRateMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ VariableRateAxis=us-gaap_ SecuredOvernightFinancingRateSofrMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ DebtInstrumentAxis=veco_ RevolvingCreditFacilityDecember2021LetterOfCreditMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 62 R51.htm IDEA: XBRL DOCUMENT v3.24.3 Liabilities - Other Liabilities (Details) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Other liabilities Á Á Other liabilities \$ 20,980 \$ 25,544 Contingent consideration 17,700 22,400 Medical and dental benefits 1,900 1,900 Asset retirement obligations \$ 900 \$ 900 X - DefinitionNoncurrent portion of the carrying amount of a liability for an asset retirement obligation. An asset retirement obligation is a legal obligation associated with the disposal or retirement of a tangible long-lived asset that results from the acquisition, construction or development, or the normal operations of a long-lived asset, except for certain obligations of lessees. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_ AssetRetirementObligationsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - DefinitionAmount of liability recognized arising from contingent consideration in a business combination, expected to be settled beyond one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 805 -SubTopic 30 -Name Accounting Standards Codification -Section 35 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479613/805-30-35-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 30 -Section 25 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479668/805-30-25-6 + Details Name: us-gaap_ BusinessCombinationContingentConsiderationLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ OtherLiabilitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionAmount of liabilities classified as other, due after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_ OtherLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities for medical and dental benefits classified as other, due after one year or the normal operating cycle, if longer + ReferencesNo definition available. + Details Name: veco_ MedicalAndDentalBenefitLiabilitiesNoncurrent Namespace Prefix: veco_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant XML 63 R52.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies - Lease terms (Details) Sep. 30, 2024 Leases Á Lease renewal term 5 years Remaining lease term 11 years Weighted average discount rate (as a percent) 5.70% X - ReferencesNo definition available. + Details Name: us-gaap_ LesseeOperatingLeaseDescriptionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionDiscount rate used by lessee to determine present value of operating lease payments. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_ LesseeOperatingLeaseDiscountRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItem Type Balance Type: na Period Type: instant X - DefinitionTerm of lessee's operating lease renewal, in 'PnYnMnDnTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_ LesseeOperatingLeaseRenewalTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItem Type Balance Type: na Period Type: instant X - DefinitionWeighted average remaining lease term for operating lease, in 'PnYnMnDnTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_ OperatingLeaseWeightedAverageRemainingLeaseTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItem Type Balance Type: na Period Type: instant XML 64 R53.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies - Minimum lease commitments (Details) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Minimum lease commitments, Payments due by period: Á Á 2024 \$ 870 Á 2025 4,253 Á 2026 4,528 Á 2027 4,370 Á 2028 4,170 Á Thereafter 34,911 Á Total future minimum lease payments 53,102 Á Less: Imputed interest (15,079) Á Total operating lease liabilities \$ 38,023 Á Operating Lease, Liability, Statement of Financial Position Long-term operating lease liabilities, Accrued expenses and other current liabilities Á Operating lease liability, current \$ 3,602 Á 4,025 Operating Lease, Liability, Current, Statement of Financial Position Accrued expenses and other current liabilities Á Long-term operating lease liabilities \$ 34,421 Á 31,529 Total operating lease liabilities \$ 38,023 Á Operating Lease, Liability, Statement of Financial Position Long-term operating lease liabilities, Accrued expenses and other current liabilities Á X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_ LesseeOperatingLeaseLiabilityPaymentsDue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI

<https://asc.fasb.org/1943274/2147478964/842-20-50-6> + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6> + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6> + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6> + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease having initial or remaining lease term in excess of one year to be paid in remainder of current fiscal year. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6> + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6> + Details Name: us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_OperatingLeaseLiabilitiesPaymentsDueAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1) + Details Name: us-gaap_OperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1) + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes current operating lease liability. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2> + Details Name: us-gaap_OperatingLeaseLiabilityCurrentStatementOffFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1) + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes operating lease liability. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2> + Details Name: us-gaap_OperatingLeaseLiabilityStatementOffFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease due after fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: veco_LesseeOperatingLeaseLiabilityToBePaidAfterYearFour Namespace Prefix: veco_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 65 R54.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies - Lease costs (Details) - USD (\$) in Millions 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Lease cost Á Á Á Operating lease costs \$ 1.2 \$ 1.2 \$ 3.6 \$ 3.8 Variable lease costs \$ 0.3 \$ 0.3 1.0 0.9 Cash flows from operating leases Á Á \$ 5.0 \$ 4.4 X - ReferencesNo definition available. + Details Name: us-gaap_LeaseCostAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4) + Details Name: us-gaap_OperatingLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash outflow from operating lease, excluding payments to bring another asset to condition and location necessary for its intended use. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph \(c\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph \(g\)\(1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4) + Details Name: us-gaap_OperatingLeasePayments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of variable lease cost, excluded from lease liability, recognized when obligation for payment is incurred for finance and operating leases. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph \(d\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4) + Details Name: us-gaap_VariableLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 66 R55.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies - Receivable Purchase Agreement (Details) - USD (\$) in Millions 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Commitments and Contingencies Á Á Á Maximum amount of trade receivables to be sold under agreement \$ 30.0 Á \$ 30.0 Á Receivables sold 0.0 \$ 8.8 8.0 \$ 27.0 Amount of trade receivables available to be sold under agreement \$ 30.0 Á \$ 30.0 Á X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of trade receivables available to be sold from customers without recourse under the terms of the receivable purchase agreement. + ReferencesNo definition available. + Details Name: veco_ReceivablePurchaseAgreementAmountAvailable Namespace Prefix: veco_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionMaximum amount of trade receivables from customers to be sold without recourse under the terms of the receivable purchase agreement. + ReferencesNo definition available. + Details Name: veco_ReceivablePurchaseAgreementMaximumAmount Namespace Prefix: veco_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accounts receivable that has been sold to other entities. + ReferencesNo definition available. + Details Name: veco_TradeReceivablesSoldUnderReceivablePurchaseAgreement Namespace Prefix: veco_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 67 R56.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies - Purchase Commitments and Bank Guarantees (Details) \$ in Millions Sep. 30, 2024 USD (\$) Purchase commitments Á Purchase commitments due within one year \$ 174.4 Bank guarantees Á Bank guarantees and letters of credit outstanding 23.3 Unused bank guarantees and letters of credit \$ 18.4 X - DefinitionThe current carrying amount of the liability for the freestanding or embedded guarantor's obligations under the guarantee or each group of similar guarantees. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph \(c\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4](http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4) + Details Name: us-gaap_GuaranteeObligationsCurrentCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_GuaranteesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of borrowing capacity currently available under the credit facility (current borrowing capacity less the amount of borrowings outstanding). + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6](http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(22\)\(b\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 3: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(19\)\(b\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1) + Details Name: us-gaap_LineOfCreditFacilityRemainingBorrowingCapacity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_PurchaseObligationFiscalYearMaturityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of the fixed and determinable portion of the unrecorded unconditional purchase obligation maturing in the next rolling twelve months following the latest balance sheet. For interim and annual periods when interim periods are reported on a rolling approach, from latest balance sheet date. + ReferencesNo definition available. + Details Name: us-gaap_UnrecordedUnconditionalPurchaseObligationDuelnNextRollingTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 68 R57.htm IDEA: XBRL DOCUMENT v3.24.3 Equity - Statement of Stockholders' Equity (Details) - USD (\$) shares in Thousands, \$ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Jun. 30, 2024 Mar. 31, 2024 Sep. 30, 2023 Jun. 30, 2023 Mar. 31, 2023 Sep. 30, 2024 Sep. 30, 2023 Increase (Decrease) in Stockholders' Equity Á Á Á Á Á Balance at the beginning of the period \$ 715,013 \$ 687,910 \$ 672,442 \$ 612,600 \$ 585,559 \$ 577,824 \$ 672,442 \$ 577,824 Net income (loss) 21,951 14,944 21,854 24,574 (85,320) 8,741 58,749 (52,005) Other comprehensive income (loss), net of tax 382 (12) (128) 133 (39) 476 Á Á Share-based compensation expense 9,459 9,233 8,082 7,420 7,932 7,027 Á Á Partial extinguishment of 2025 and 2027 Notes Á Á Á Net issuance under employee stock plans (286) 2,938 (14,340) (247) 2,328 (8,509) Á Á Balance at the end of the period 746,519 715,013 687,910 644,480 612,600 585,559 746,519 644,480 Common Stock Á Á Á Á Á Increase (Decrease) in Stockholders' Equity Á Á Á Á Á Balance at the beginning of the period \$ 569 \$ 566 \$ 564 \$ 564 \$ 517 \$ 517 \$ 564 \$ 517 Balance (in shares) 56,773 56,637 56,364 56,338 51,693 51,660 56,364 51,660 Partial extinguishment of 2025 and 2027 Notes Á Á Á Á Á Balance at the beginning of the period \$ 45 Á Á Á Partial extinguishment of 2025 and 2027 Notes (in shares) Á Á Á 4,460 Á Á Net issuance under employee stock plans \$ 1 \$ 3 \$ 2 Á \$ 2 Á Á Net issuance under employee stock plans (in shares) 55,778 56,773 56,637 56,337 56,338 51,693 56,778 56,337 Additional Paid-in Capital Á Á Á Á Á Increase (Decrease) in Stockholders' Equity Á Á Á Á Á Balance at the beginning of the period \$ 1,208,348 \$ 1,196,180 \$ 1,202,440 \$ 1,189,051 \$ 1,076,698 \$ 1,078,180 \$ 1,202,440 \$ 1,078,180 Share-based compensation expense 9,459 9,233 8,082 7,420 7,932 7,027 Á Á Partial extinguishment of 2025 and 2027 Notes Á Á Á Net issuance under employee stock plans (287) 2,935 (14,342) (247) 2,326 (8,509) Á Á Balance at the end of the period 1,217,520 1,208,348 1,196,180 1,196,224 1,189,051 1,076,698 1,217,520 1,196,224 Accumulated Deficit Á Á Á Á Á Increase (Decrease) in Stockholders' Equity Á Á Á Á Á Balance at the beginning of the period (495,371) (510,315) (532,169) (578,380) (493,060) (501,801) (532,169) (501,801) Net income (loss) 21,951 14,944 21,854 24,574 (85,320) 8,741 Á Á Balance at the end of the period (473,420) (495,371) (510,315) (553,806) (578,380) (493,060) (473,420) (553,806) Accumulated Other Comprehensive Income Á Á Á Á Á Increase (Decrease) in Stockholders' Equity Á Á Á Á Á Balance at the beginning of the period 1,467 1,479 1,607 1,365 1,404 928 1,607 928 Other comprehensive income (loss), net of tax 382 (12) (128) 133 (39) 476 Á Á Balance at the end of the period \$ 1,849 \$ 1,467 \$ 1,479 \$ 1,498 \$ 1,365 \$ 1,404 \$ 1,849 \$ 1,498 X - DefinitionAmount of increase to additional paid-in capital (APIC) for recognition of cost for award under share-based payment arrangement. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-2>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-13>Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-12> + Details Name: us-gaap_AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInStockholdersEquityRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph \(g\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1)Reference 4: [http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph \(g\)\(3\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2)Reference 5: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SX 210.5-03\(20\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.4-08\(g\)\(1\)\(ii\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1)Reference 7: [http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph \(c\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3](http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3)Reference 8: [http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph \(f\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28](http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28)Reference 9: <http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3>Reference 11: <http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6>

250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(ii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber of shares issued which are neither cancelled nor held in the treasury. + ReferencesNo definition available. + Details Name: us-gaap_SharesOutstanding Namespace Prefix: us-gaap_Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares issued during the period as a result of the conversion of convertible securities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1E -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_StockIssuedDuringPeriodSharesConversionOfConvertibleSecurities Namespace Prefix: us-gaap_Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber, after forfeiture, of shares or units issued under share-based payment arrangement. Excludes shares or units issued under employee stock ownership plan (ESOP). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesShareBasedCompensation Namespace Prefix: us-gaap_Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe gross value of stock issued during the period upon the conversion of convertible securities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueShareBasedCompensation Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount after tax and reclassification adjustments of other comprehensive income (loss). Includes foreign currency gains (losses) on transactions included in operating results. + ReferencesNo definition available. + Details Name: veco_OtherComprehensiveIncomeLossIncludingForeignCurrencyGainsLossesOnTransactionsIncludedInOperatingResultsNetOfTax Namespace Prefix: veco_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_RetainedEarningsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_AccumulatedOtherComprehensiveIncomeMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 69 R58.htm IDEA: XBRL DOCUMENT v3.24.3 Equity - AOCI Rollforward (Details) - USD (\$) in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Changes in the balances of each component of AOCI Á Á Á Balance at the beginning of the period Á 715,013 Á 612,600 Á 672,442 Á 577,824 Other comprehensive income (loss) 382 133 242 570 Balance at the end of the period 746,519 644,480 746,519 644,480 Accumulated Other Comprehensive Income Á Á Á Changes in the balances of each component of AOCI Á Á Á Balance at the beginning of the period Á 1,467 Á 1,365 Á 1,607 928 Other comprehensive income (loss) Á Á 242 Á Balance at the end of the period Á 1,849 Á 1,498 Á 1,849 Foreign Currency Translation Á Á Á Changes in the balances of each component of AOCI Á Á Á Balance at the beginning of the period Á 1,761 Á Other comprehensive income (loss) Á Á 70 Á Balance at the end of the period Á 1,831 Á 1,831 Á Unrealized Gains (Losses) on Available for Sale Securities Á Á Á Changes in the balances of each component of AOCI Á Á Á Balance at the beginning of the period Á Á (154) Á Other comprehensive income (loss) Á Á 172 Á Balance at the end of the period Á 18 Á 18 Á X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_AOCIAttributableToParentNetOfTaxRollForward Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after tax of other comprehensive income (loss) attributable to parent entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-

gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_AccumulatedOtherComprehensivelIncomeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_AccumulatedTranslationAdjustmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_AccumulatedNetUnrealizedInvestmentGainLossMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 70 R59.htm IDEA: XBRL DOCUMENT v3.24.3 Share-based Compensation - Recognized Share-based Compensation (Details) - USD (\$) in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2023 Recognized share-based compensation \$ 4,783 \$ 3,706 \$ 13,612 \$ 10,985 X - DefinitionAmount of expense for award under share-based payment arrangement. Excludes amount capitalized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.F) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_AllocatedShareBasedCompensationExpense Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EmployeeServiceShareBasedCompensationAggregateDisclosuresAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 1D -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-1DReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher 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https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(v) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPeriod from grant date that an equity-based award expires, in "PnYnM1DnTnHnMnS" format, for example, "P1Y5M13D" represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardExpirationPeriod Namespace Prefix: us-gaap_Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_ResearchAndDevelopmentExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_SellingGeneralAndAdministrativeExpensesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 71 R60.htm IDEA: XBRL DOCUMENT v3.24.3 Share-based Compensation - Restricted shares and performance shares (Details) - Non-vested restricted shares and performance shares shares in Thousands 9 Months Ended Sep. 30, 2024 \$ / shares shares Number of Shares \$ Outstanding at the beginning of the period (in shares) | shares 2,464 Granted (in shares) | shares 1,173 Performance award adjustments (in shares) | shares 200 Vested (in shares) | shares (1,142) Forfeited (in shares) | shares (81) Outstanding at the end of the period (in shares) | shares 2,614 Weighted Average Grant Date Fair Value \$ Outstanding at the beginning of the period (in dollars per share) | \$ / shares \$ 26.19 Granted (in dollars per share) | \$ / shares 38.01 Performance award adjustments (in dollars per share) | \$ / shares 27.81 Vested (in dollars per share) | \$ / shares 25.48 Forfeited (in dollars per share) | \$ / shares 27.97 Outstanding at the end of the period (in dollars per share) | \$ / shares \$ 32.09 X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsAdditionalDisclosuresAbstract Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod Namespace Prefix: us-gaap_Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average fair value as of the grant date of equity-based award plans other than stock (unit) option plans that were not exercised or put into effect as a result of the occurrence of a terminating event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of grants made during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod Namespace Prefix: us-gaap_Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value at grant date for nonvested equity-based awards issued during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber Namespace Prefix: us-gaap_Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPer share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-

gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItem Type Balance Type: na Period Type: instant X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(c\)\(2\)\(iii\)\(02\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2) + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItem Type Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value as of grant date pertaining to an equity-based award plan other than a stock (or unit) option plan for which the grantee gained the right during the reporting period, by satisfying service and performance requirements, to receive or retain shares or units, other instruments, or cash in accordance with the terms of the arrangement. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(c\)\(2\)\(iii\)\(02\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2) + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItem Type Balance Type: na Period Type: duration X - DefinitionThe number of performance award adjustments made during the period on other than stock (or unit) option plans resulting in decrease in awards outstanding. + ReferencesNo definition available. + Details Name: veco_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsPerformanceAwardAdjustmentsInPeriod Namespace Prefix: veco_ Data Type: xbrli:sharesItem Type Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value of performance award adjustments during the period for nonvested equity-based awards other than stock (or unit) option plans. + ReferencesNo definition available. + Details Name: veco_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsPerformanceAwardAdjustmentsWeightedAverageGrantDateFairValue Namespace Prefix: veco_ Data Type: dtr-types:perShareItem Type Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=veco_RestrictedAndPerformanceSharesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 72 R61.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes (Details) USD (\$) in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2023 Tax reconciliation disclosures A A A Income (loss) before income taxes \$ 24,658 \$ 22,510 \$ 64,479 \$ (52,521) Income tax expense (benefit) \$ 2,707 \$ (2,064) \$ 5,730 \$ (516) Effective tax rate (as a percent) 10.98% (9.17%) 8.99% 0.98% Loss on extinguishment of convertible notes, tax (benefit) A A A (900) A X - DefinitionPercentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231> + Details Name: us-gaap_EffectiveIncomeTaxRateContinuingOperations Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItem Type Balance Type: na Period Type: duration X - DefinitionCurrent period income tax expense or benefit pertaining to a gain (loss) on an extinguishment of debt. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 50 -Section 40 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-2> + Details Name: us-gaap_ExtinguishmentOfDebtGainLossIncomeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: duration X - DefinitionAmount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-18> + Details Name: us-gaap_NumberOfOperatingSegments Namespace Prefix: us-gaap_ Data Type: xbrli:integerItem Type Balance Type: na Period Type: duration X - DefinitionNumber of segments reported by the entity. A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements. + ReferencesReference 1: [http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph \(e\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-18](http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-18) + Details Name: us-gaap_NumberOfReportableSegments Namespace Prefix: us-gaap_ Data Type: xbrli:integerItem Type Balance Type: na Period Type: duration X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + ReferencesReference 1:

Report: 174B9K.7-7N)=HIG+V M4SLK4.YJNQ-<84GP24A1OWJ=J0UR|UEA 6#MI7E| P04 M #P@V991D<@|N<K #P+Q0108UR|WS+V-O&LS9R+1 M2LP0S(9?<17)OIVEE#Z#;B(0?)07!|1:2V=U@DX9DI-VW-XW[740P]&-F GSS M44RO@|ICQ,/>\$\$S#@5P. # CTEX#4|> MX30/5P!|XPPN0=1+0,22 5/5L. D?R9?4?SWU)5\$PO=&AE M;640=&A64G+GAM;U-6W;1!|<Z>0>-V7;00&-H&VM!-S:7;M|F4X? MA1#68C6Y9J|>1|-A#&EWMDDVZFSPS+&GSD5Y?@<X>?/N+P+HABHBA4G MV2 !<JUNKW+|<[55(SD\$4\$P#>O> ,14Q=M511, X?&+A12116F|>|<3E/SX/F7/23H=,H%N,IM8|> .?D3J3E|X53?J QJ9SJ6?1 MTDB @LEJE 622?<CTQ4?<|T.IU859J43MGXSVG0V?|K6G% X%+;+THMP M'<3%N>D PIWT;+<D00FTHVGO-CVJZ1|>4T 3JWW?ZYMHG J-6T 3-W?> MTXZJQJW0> V^4<PZZJQJ00=>MJB?>KFNKDZ19H0D;CZW2H26;7E0- @<AP M=M;T, @<67BGZ=90:V1V|W4%<4%CN.8D1 L %<19?ATF6-9\$RG9 G=<M WQ-M, MA'ROO;X?<2TEROULIM5 :>|K|@?5>B6?M? J|>9>|>R0-S|J|>LYKE|J| MJPG&M;N;S|Y|<?<CDGZ>3UTU?SG" + G0?R<88C|JUNVW6V37N=<I>P+>A1Q|>S6?R'VZ MYXSM4D-A, "VJ&F6!> *D3KGW8;X.M;L5? 3?>+> .?C2C8CWJY+<5-A M6S;A@<01AKBQ F<1%L?>P>E1M'V5;SC MFED)O816;1'JASO?<J1XR|>70N1X"Y7IK-<C6Q0KQH|> 2 1VC?>1 B?P#E M+GW|>L?>|JY|>VATK|>WZV22WJ9+2.6DSNLT|DN|R+>A JQ GH9%LE" M0AMNZ5U2I77Y;Y+>+@<6^3IKZ%TBS/<3Q?YI3<"S-MW)+ZK:4OK4F.\$KT ML@<37|EUVY".E.70|@<0KX#;J=W#HXGIB1N0K3 M4|IOP_GIQ7@<XCG9!+E|F%>=MY|C1T? OGPS&P|<VEAWB/B">ZAAIC/PT. M?>M?P?>5QE T&ULK'0L1K=<N-?Q+13@9& MH >+<K\$U\$E5J8B Q&Q;K'D?M|> M3(QZ%>M8U?> XJ2&JPN9,5NKREW&6T84CQ:<9@392V0W6PQ54=SUS;K'K' M:CVT94|> EFMR|> Q|>8Y07|D|J9|E3QON>+<G'YZ|>CQ;ZEW?>|>#>+<E'4|YU_T74.N?>=<X_INDSM(3)QYQ1\$!>=\$4" (Y4U?<V%T\$U&Z.9XJZSAW.;<K'C1: 6-8>+3?>7?>.MX#7N83 M+D.D?L|>BHJ :MBOKJQ3 DEG#NT?>+<|>OJUMND|MW@<34|UJ9P?>L1/TL' M?>12|F. 6 OTX4|>JFV|W&VCS>818P9AC?<AT7&C/5BZPYC0100=5 MY3 |U UH|>TT?>J3Q7&9MC:CYX?>S|>|>PVPP1L2.X>V+OP902P,\$% @<M-(F69X9FD+<I0 RAX !@<I'X;|>JW;W|K6S|U (359?>)<Q3&R44Q?>7?>N5>1">1>1>1 MKD4.WRRDBK&6|5L6|LEN|>16&+<4Z0?>@<SZV;|>Q01E|>L?>@<A%<DC2< MN-K>BEIN;AJT|L' P"QVCSQ3|> IKA013H3^M|PKN6H6?>T0B3<@<9R46-XTA M?>+<VFOG(WO@<?>+<?>2?>7MTTK&X\$PN>AIOG;X3Z?>NT?>DF&3 MR29 MJ|>S|>J|>M|>QVP5?>M3 ZJX|>X#>85P8|>|>T KOI|>H|>P+<6A>L@<SK MCFL^Z"NY?>P.U=<PDR8HKD?>1;<G|>Q+<2G?>M|>K|>P?>|>JOGK50?>JOO' C6|>1^8NBLGU1 M;QD|>1?>K|>J|>VJWA'FL(ZE/X> N1|>1^>V&<+>TRY|KIWIW2OT7/DB%<EK.\$>^T M@<L;XMZV&XO-KSO)/8->?> [6]>[6] M93.9>?>?>1HJ?>4?>Y2R8?>1\$M5\$ZAG?>W=0|>9<+>?>?>7D6:ZFT?>0?>7TB|U5|>+ M1M?>ZSQ50&=<P(D)?>101MG|> (84T>KE3TNJ;A|>7Y+PL'J|>|>F*P>225K5 M?>=<2U6Q,K|>E\$P|>V7A6 5T>JWTL5<F\$=>U|>H-0D, |>T80XP&U M+V<C157|>TEJ?>GG'>4AWC'<L2<M1-LIGU|>A1Y?>N#>M-K'IV'>MA'>J|R, M,1Y4% G 9M1D3D?>E8QJZ|>|>OIRAU=>E|>H|>4MIDU?> 7/8=>=<=<NKR|>L&6G M|>Y|>231=>1A@<#D0;78GE:A+>+>0?>?>D4|>JANV1|>VBN?>YBUKTUW24+T'LV>+<S-Y'>L8?> MPR|>1T|>B11J|>J9W|>1(3% -85P|>N1?>E5T|>2GH.NT1+OT1 QFY.UUBSLA:O|> M=<S|>5FQSN&.<S&F'Y|>YJ?>9JL9(SAB&BOPR+1TB-W1R 0 6#>+SFF MVV|>NORO?>7?>D|>EFYS&6&6&F&7|>ADCHU=OQ>EJ#1 1X0>A|>|>H769B0|> M2|R|>S0?>|>|>B14F|>D|>J|>LE3?>K?>MU:>?>Q>LXB>?>1=<M+S|>L|>|>SSB&U72^>H W=6<6?>P|>N?>S?>LX\$>+<5&E.SV\$<D<QZSSP\$>S#<Q+4RCK@<.%YX I'>|>#S1 B|>M|>C|>|>+6HG|>87=8:78279G&S|>P+=1 E|>G|>C+<ZU0N|>|>XNGR|>EVS|>GN9Q1?>32 M, Q204&OP AS|>Q:4|>X|>L+5H->?>2?>P2TNO|>PW|>L|>D2D8|>@<Y>|>QSN|>V6&E6&X M3|>F M,RMZR-62F9H|>Y2GD9=,%\$7;Z|>=> M; (REX&6\$>=D\$PHB|>J-F8U|>|>DM^<8U|>MH|>@<CSIMV&@<=<A|>U=U=QAN\$> 3 MY7VO?>?>17?>F>@<D6L|>V6|>NVK5|>K%<=<1-T'9|>@<I'>FOV.YB|>I'>PT#K|>A&K MVJ+<P>P-HREA:HC1N6MXR|>3>EJ2ESNHW4|>B0?>592SM3QLW'>T, |>J(D%O'F" ME:J'O= P5H|>I5FPL|>41/BF5W'>P">K=<=<BVC|>|>EN'>4>0<+>7TB|>S?>F|>FXKCZ&4\$>L M|>10 (/#9EE|>6WU?>T08 +<=<8>P>O=VJR.W-9H65T&L|>ULK5EM|>LX\$>OXKA' 800.2F|>2?>|>@<3|>A:XPQ;[MUG|>I|>JCH9+H ME<BDO5|> 0U0F9?>5S?>72|>9D?>7 9J03|>|>7<O&|>J4R|>M|>A|>L=XU6>3>H*|>I> <4KFL5%>SOUM?>=LT_>^>M&L M;5G4<E=>F&VU\$J?>|>UY:VYL|>6|>P|>X?>P|>J|>U|>LQ|>Q|>2|>COM?>V|>J|>VJ|>N2|>J|>M4+>FZ+<4Q<K&VY6Q|>V|>Y%<97%<6O|>N|>|>NB8NE=<COKB<C G-<C|>W|>N2X M'>O2M|>H|>L|>G2?>4?>0=<5 BMQO;Q|>@<

@UMK[VQV+ M7&A>1S]>=+=+4KIC(F# P@118;./P84VJ0Q)+H3%:Q:07E*2@+&+2.G.U.MIKXIR3A=@S-#I@<."!<?>@U'63%RCL&JP'Y[["##K+D"2]HCB;T&V'.MZ-Q+D83)DO?

43"9BKD7PM,LB>B\$Z.H<9>U?>B0R.V'.M'.JRN! M2M"(Z 4RN.U175K5NA12 16! M5EW @9/L<.&A12W'./7C[Q]RV5ZB4X,5M 8&4F506W'WU'Q 4-DU:;". M.E<86K'R

LX&ZB56Y&3&RtX+MOM<6;2G?P8BUD+1Z.2X)D190>3+U4 M6MOZL+RQ5<S(U@<+6VUV[B8F.(\$BS".LCNQC0J)5E+@<M#KLL1XU!>081 M0=06FW'1H6?>07PUMHJ?>1;MHJ?

UMQ<0'>4.Y%YHJ1C&4?>X.7E0(U,64 M4=+.<[QJNM]XJ<7W<K?>D0J>.21T1D>R7R1B[M62] M>HD&Q?>7&5<UQ M 49@<Z8<#<#<K12G9C)PJC4?>].K2H[\$7D>/PQQMXT

@).X7H7CINYE,EA3(3'TWM .LSL*H'.W.KI L=;G.KJL=;C;K6:FYW?GJ+&V&C1EE151?RX<[H?>G?>WIGS].91G<S'U04(I)/+75<V'.M#S0WL@<BA?

PLXLO4I.GIBY<+4GFC86Q5?>G7DRUC1U7B2D5CM6X&].[[GOC M27948EA5I9X?>P.HL+6S]&V'U=<=C1/!CV.E5I'.>A>A'&J/<3G>B=X'Q'Q).M&S? 842'LQZFE1Q[<[FSSW?>DO??

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NNOB?^4 M4>8FY0.P;9>A[WBP]Z Y07.8MEY 2BE#4GB\$S!T M+J9.%A;U4\$RVZ<^AMI.T1[+?>=MQJ:PZ4-GO M).JFR#<=<QJ.B,P%(\$<U+EWCV/7V+<MM346VVI+P3>F"BF/><^2+N/0;A.77S

H4#2<^2P2 .BN8VRUSK' 2E8LH7BWM1)2BCO.MYZ.@>A>X'.<D@<=<X<+O8N'.<V6J'VXY MZC<+06J]>@QTL#48S..HNJ[E]C/H&NY!>@FJ[G]9J'HH.HY?>5&5F'.#<#<=7

NR2NCNPM&M@ZJ30I'<+<HDVG+W/M.WZJ.@>[M@>6VO]>@<[1!>=YONH[XI.F M NEXH6.SV.PH@<+<C MN<L&X&S0LK0]>@<GY=<2552<2< S'281+<V MJR<+<0?>?EQ\$2X@/R1.R\$;=

1!<6E@<P)WKH4<R\$S\$<+<JLJ@MM@<.3UA MZ#MSKPL4H>+<[<@<.(.9HJMYJ@<J]>[13<6<+<V68]>9JGSKJ'F M/B6G09V'NPR;3I G'Y'U@<+<K4N&TVP6GX<+<FU \$JN=GP2P<+<+

BYN1 MOL'<J'.2IX.W.H2MML&52EU'<[L'U7]>[<#8.LXGT#G!>[<LIR7J]>U M8.5RMM:97W+5MH@>V7J]>[E!<+<6'GNO.&<R7TF0BP0>Z6IY5N.3.M M&8 O'U?<P'!E!OH-CE6?<+

8.H&2;<+<K1.7H1A.N@PZ!<KHQJPS#KKY<+<@ MW;ZJ.1B6-MD?<S5ELLVQKOLT;SKS<+<3%GUYO44Q EQZP?>]>K'<XON?<B MQYSNL.<+<?>SG<6'Z'44T'< TWS8-

HMM1#3JD?<R38HC4CT1> NBNJIAU'.W9D.8?<V7S<8FU>UOQC'E'VQFAH3F.'BZ81>+<X'E.E*F'D M+<V.MMEJ?<+<KGD(GWV'<J>+<1+?>+<CW3J'<GQ'.G8?<9N'.J82Q?<7H'<U7?>(< M[.(9L-

J12J3 5M93I-X&PL@DG+492T[#B).1E0.GJIPB84W/P&R-I6>?>?>OAA> MZ+BI?>?>QAA% @<+<HST8)G/<^A'Z'6R-67YCZ8W/SW[XB].X7(B<+<Q M+<+<?>K!<=..P2J]C<+<B?>9&S!<^*6+KS8X?

S'F<+<1X4Z?<F12 M8+G.3CG'9<.(V 8J)<K&5B@<[!<V!<O862L[XLUL5Q;D]JLVLOXKK-G'@>?>UHC4W6.[R]Y<+<U8K MB5UVLQ'<D9'<F'<+<ISQV'<?>O@< @>=>S&SNI?

@<OJHCS!<+<KQN-E'>?>5G M09.K[LLUR NMA5U>?>5=<G(O]>@<XRIS>.(IR+RKX662O)<4&J5'<+<PZ M'H GUWNAHO7+<G9A .URZ'P'N.17+<V6@<Z U'<EJO 1095;N7!

&5GV3UR>#<#<+<N&W2BIVLMO'<BVBNVP?>40>?>WP&N M9T4G4J'<PFBKS2?>.95#B@<P/ NY*W'<AP(RC-C'GAIL2. MJV]>T<E<C M&6FAY6V3 56FU>W6QO

42N1U5GUTL[OES7E'.6Y29K]<#>Y2J.32Y?>]>57> M= 8*BJKG 47PP>PQW]L\$-L1\$T\$5Y5+5.URJ'X#TIL#<A'<[14Z<W\$ MJ1R[J]D6JX.V?

47K7Y1J2TQ52N]TUQ>B'<O\$>J+>7>.CW1>3>7>.73P3 S M\$5;M M= B'F6MMA(CJ. \$<D>1LMD?<QJZ>=<+<B5C>A29'.7<+<3K<+<101T A'<+<?>L' M9GGA/A6'<+<JL\$>..B'1'S1U!WDF'V0I'<F50

@<TP'<+<K1XW'<U0>?>C. CC3EJ04D4PYA2F1\$28.1?>G48UICJ'.J2G\$E'<+<V6;A(CJ. [D]R#4+<M+<PUC0&04X E'<U'<A'<O(QH;12'X=<?>R7'. 5N'B&BQ'<0 Q6LKY7;1%<T+<+< M8

XZBA 71&D>D7J.7<+<B#H16780W(E'<U'XS@<.'C&B0H@PV9;5I9J]>OJ# MJJ8?<QJLQ'<9+<V4?>R5\$<W\$M@<+<MBCRP DI'<P0056.BN'VPMKUX IT. M5\$!<F 8U0'U'<C>XME?<2<E>R(L%2\$H

U0;U]F(L'<W\$5'UJD(G;J'OXE\$5' 1FUKPVQ=31 1FUKPVQ=31 32?<Q&9>R\$<N&CX6H1ST:HK9J0)2XM#<+<?>18*AP.V1ELRL0;V5!NE6'720% 609G<=<?>TD-8E M/FJQ

Q=<Q>=<DH'<+<4'<0'<[<K\$WJ\$>H'<[Z ME5FAU>VRLR6M S .QNC(PQR5-Y34ZB 9090\$<C*K\$E.JJMZ&J]B MY97'<OC54BK4L'<?>'.<AHP(1>0H>+<IKN344!<@>=<?>O.4[EC<+<JCCJ.FX*

M\$K\$N\$C[F4K'<7B;R/GW&+<4 61WN'K'<L>+<N10064E&A\$140.59'BGN'90J'V9 M4W'.K8EJDI0J'<4+<HOQ?>?>HLH6H]<H\$S\$C' MQ\$4<8C<+<AC&FF;F'.M'<C:2SG9G?>J2MG<+<C'<VW@<1J/W6@<1J190-

4&Q:5E5V3UR>#<#<+<N&W2BIVLMO'<BVBNVP?>40>?>WP&N M9T4G4J'<PFBKS2?>.95#B@<P/ NY*W'<AP(RC-C'GAIL2. MJV]>T<E<C M&6FAY6V3 56FU>W6QO

42N1U5GUTL[OES7E'.6Y29K]<#>Y2J.32Y?>]>57> M= 8*BJKG 47PP>PQW]L\$-L1\$T\$5Y5+5.URJ'X#TIL#<A'<[14Z<W\$ MJ1R[J]D6JX.V?

47K7Y1J2TQ52N]TUQ>B'<O\$>J+>7>.CW1>3>7>.73P3 S M\$5;M M= B'F6MMA(CJ. \$<D>1LMD?<QJZ>=<+<B5C>A

00:70:4-HW(D):1Q:SM 9-D:MRTPTU8U?|Z2+?3?M2M9GKHO4D?W?HGD?1Y3Q|UP3?J|:RJN+B2%5|B&Z5 M-H. #E6WEOQ|Y->AAM>#:#J9:9VG&6%:MIS.4:4.NHWKQ|;*T^K08T^L^B|&S9 MEHQ:3V+6NR+;ZYLZ&A^M^YK&33|*M^*RK|Q->8RMKPL-7QO>?J3^E&S|HIG M^U|KMKZ|B-Z#>?M6IM|?P+^N^HMGF<6KLX,KSUTWK,ZG5W4V;LX0.^|B^S.M|
|O|HV<7K9W;2K=175:5Z|MHVX7^M^N^36 A^|?=[H|10|B8/D EM:1 'E5MUNMV0UVCW^J|&4ZWNWQ|TO MOM;TY4?Z:KJ:RNE?^H|B^? KLOE5+=7645)A60=->VRP+=U-;89>&|<:MJD_ 'U|? 7Y>7Y0.^|&C=-M\$>ZQS^M^KT7=U-|7| @^?=>G9U-7 YX-7W^M^T|/MR_ JVKV8|LLF+|PPH8A6.B|7:EYN4LVPIV,0BTM; 8H0|;ANA|1H>=>MHE,?^|:HT^FCZZD|&VJWML(C^|=|VZK|6K7|J>=N5CBP^TTB|X|PM>?>W, M7|H:3A^?;9VP4;53KBLX|6KZ&|&9H&B(MAV|J>H<R:EFK>=>YSAQX^?;^|,?QSQ02|C|D?Z^85UOT0-^*2M_MILDS^P|&?>
%TSD<0%BOBRR9; 74|D1DHW17AG|^H^I%<C^P.OY?;?7\$Z E+V M9O<C5+>,>ZS+>+E^ESI^D^+>|NP67|7|Z?^U%|M^I(LF&+HT) N^| M^IJK MZ.61?=>2&6AX\$&@&|J|N445T48^:W@45-
J0|N&AGF^B|; WY0| VCPN;Y^M(\$S|;.%17Z 'IEZ^H|)^. +>0#6^E9|C69>= M M1Z(5+&A| 30URH2HB|;^WYE=% HR^%OLG0^O1NMF6HUKG7|X4M|JN3+^M;M>3XDM^C^K|N|
^_RYS^PC8GUD4R#|2^*16 UO=>=>2\$908V.FJT|C3;7^H^ZM4NYM8^23V7HGD8G122D;YDEHM|?> MB@=X 3/4ZS1U>L7G)>|UNDP|67<|P#^GX7USUZ>Z9>L)
(^4@|B|Q^4^#W;K7+UB0>0%5|H^G^+^|RESVD| MQPD5;0G1.KG^H\$S|Z^7^IX&L72F53119-?#^:U;^YI2B;1^*&K|IGNK M9T|DR7>?>
(^H^H|&^5RKKV|^|?|U0UV9.R>|/0^Z3F>^>B0R|J8|A^#>0G1 M^75|8|;G 4Z41^YK45PM 81+>=?#RD9|F>B8;BGRL^Z|J^O2S@|^GN^#|^|^B M^#Y0|Z3R0^VZ2XEH8|1|TFXJ+
|/B_|.Y|.. ^OVV^N^A078(EM^A6^S|;8G|D30X5H^RRCVEOA^WUAA55^J^H^S^X^&^_B_|MD^ENJ^N^?>?>KU.O.SLJ>+>|T&G^&B\$25|ISS<2^19S|4>U09L^U^%\$5\$A M|O|BLV1^YA0+0\$*
|J|0|0|SUZ?|Y3+859H^H^0^X8&M^A2-C^&X|G33L^U| M^|G|^+>HE|B\$N^E^|&^O| 0|O2D6Z|F6^AG^|J^U^Y^M4BN| M|RXZ.80WU8.5|9E>?>ZJ=TJ|B|1HJ:|MZZJ|PT|A?>
D8QW^B^8Y5N^44S.Z1QQ7|A2|0+X|^|ISDD4|7VY|^<S M^?>Q>5^*DMV&^B^MBMN^N8CW|^|5P3B^%U|AXX^%5 2-(2Z7|)>H|N^+>Y;QD80^RE0\$XEB\$9\$|D3U\$G\$C|^|W|+7.C.
M|AA18|1^~^4\$0 %>N^%>XV1^+>M^|,|JDC28^M\$ M4GMU84|2RC^#^SY01 M^| R&8MWO;9-B MI|BP ^NDO^*FVN1>=>?>?%;&^?4Q^=G+U.GF.S6Q6Q\$5^*^&D|Z7P;H
H MB-OL;|S9AA<^M^#|F2-E3UX<^H^H864B-X4Y#54H|J08|AN|M7^+>H^Q6.M\$;M^|J|V4R.6:<|SN2|J|U+54;94AV^X6TR|BM=PC7|^|<L>>6|
(WS4DS26N9PX8|34|4IUV^5|V1|8>^?|JZL&B^6^X3|GL1^V\$X| MWY2K~|2|>|DWE;LZPE;K|DEYH7.W=+>3^?A0W6G12@=>I GC9T^FJ73B|> MNN^RBM=|6Z^XA&^>
=>^=6FU;THM1|>5^L6YD M83MHJ8+>+M^KJ7|W-O|^>=>^*AHIES-L^K^WV3\$=,A^P77|+ONK~|J|Z^M MD,AD^C+OY+>O/8| 'SHJ4|^FZ IR^>2XP3M R5T|6PBAL>X-
#&4\$82=>6JXT5|L+V> 35\$8R|JWB|>1.9M,DW7,@AOU|<4 M CSV\$;5^&2TR4Z2X|TKD|U+|5FY|D|>@ L42,SB07^T?&S;^L|;R=7YV M^M^<61;951^M^J^U8 9^B9A;2.
(^|X^7Z^|K.H.A.PSD^Q^Y>|O.P|C|B;^>8D|A W^|>#L0 M^?>9N|1267|U|?>^D^% 76&5\$H7LW-20N+>7V|JXQ;V1+49+G|DB. < R MO^#|/=>P5^0| -6Z|4^D|J 8LL|>^>^CN?>?
E|J;S^#>#>+>@8<^RPV7Z4 M^V6^Y>26J.M^;=>GHZZ^L^NFAF1M+SN\$5| G.8A92Z+>A1E84TOW\$>Z0O4CFG^M^Q^C@9 Q|Y;RY6;7|;B|BP^?4941^U2-D^?>N|N|UW8+D6>8->R9\$A%>|>
MINDNPVMDCY6NST\$|JXW|^M1VZN^M^Y|^|<W|T9Y|X^=|^N.M|J^=GYX^Z.4^Z^K76^YE 8F?H^?>?>NCS^P^R|L4=,2^#WQ^*77V;|J0B9Z; M^GNB^NNMAZB;K.3PR@|J0.S2.B TN^?5D;+>#|
^PMX^#66A=3V<|<O|DBO7^M4<6^?>^|<O7TL^L^&|<J|R|Z^Z4;U3Q|^|M^?Y^Z5;JGK M^&K^KT6P7|BU1^|<@^<^>^|A^Q^&8OFUO~J^*^|U#|LOEY^#W+4^P.FYAMDQ/GSX^4EY>
^MN|00T^7^ADN;1.01 K^@T@|?>|^?|^?>7^*B^M^|K^F|^4\$|L^H^I|0|^|^M^9EG^*^T-70 X\$|9>+>P>O=V|J^R-W^H965T^W^>O>E|J^Z|^#^DN>|^|^75FE,76EY^F^XIA|KJB;Q|X|^|JHH:
MG^*U|VL^M&B9^N2%0|JZ67^6T\$4|@OFC^E^|WHH|:M^?%4;Z^W^>^>W^%>|662Z^94-MW>?>|W^F@C|JRTS:E M^T8WT>6N^*^&^Y^88|&@A|0.^I M^F3
|=J^N^0.WB8.0|0%&|&#>2^1^F^W^H8;8^#|G|0>7|D2|>D|H^QDZD|B2N^M^Y.N^?GOAIE RB^G^>A^21.SUYVW^KFS;G.H-RAC=^|8Q^G=|F>Q:33&^T^P|^A8 M^#5>=>NG\$P&^Y^?W^|@QZMA,A@>+>9|:
9 WTPV|^#>=>GLA|H|2A|^7 ILAEEZ>|4 M^TVV14TV5|7|A|X9|H^5;0ODL^T^Z 29 OS=>AC|.CP|^|&P3.G.V|>|J5Y|LQ|E|J|820|B^1 M^JFH.CW-C|^|^TPM.DLV+>+^|MU^?2D|2PE?>
3;IV;Y4^&^X^Q^?>|^?|^%3C3K4+>A0^45+>S8J^V^4LEQ\$H^=>8^#V^*K^B5U^M.63^*|^+Y^H^AWT?|J&B^+YUS|^FT^Q|^|<XFFP|^|<|USQ.M.N^9| XS^>|P|>=>1^| M1G&|Z2?1=>^Y<98|Q|>IG5CM9;X-
C^&^G^U^R^L^?>^?>V7;^5.G34+>W= MCH=>=>5Z|H0^|G^U|K^M^|0B0?>=>8U^|T^U+Y9O.Y2H^6|UVE^V^J&K~|^|^86GL F2.M.\$1UWSL^N|;N.Z-E^A^M^E-KR@>9<7FTT729B^>#^Z;7^4\$&L^H^I|0 M^|
M^|>#9ED6.1GAP^+>|U9>+>P>O=V|J^R-W^H965T^T^+>H^Q5^T^FUCR^#^PLA4Z:>^9>5?^TYFY^=^3^CEN7-49GD|OSLN^3^O^#P7A4KBC^2 M^#2^E.G^Y^Z(AXL)F6P|^H^?>Z|9I^?G|;DMUS|J^>
XDH36K|B7Q^+>Y027V+>^D^IO D9^G|I1?>=>7^<7\$TB^B^8^4^L^|>H^M2\$^|ORJCD J96M^|J^?^O|P13.^?YQ&|^|<6|FZ 03^>=>4+>5B3?>= P^Z;F^Y^D^|4D^CRIA<J5+>+>6%\$5KDI^

T?Y3F27\$1-K: Z3MER3O>BP 0J,LL#W90G9SWM4T,/) MS87JL)S'=RB)R2>=XJ,MNR6)<,E(AQ3 AC:~*S(EWJ|LJ@00R)T9%WGH%R MY872ZKQD'TL1)T(%6@M% 64? P>20D6AF.0J FY(K29;9=A/JK% J9R5K7Q MCE:T' MG(E)H,PMD: /WA2A,C' C'Q)Q0J:U;P:M'<&RPC>76%RYHV1C+&928 MU/ PM1&BBR1YS 9-8~*1L\$% |OQ|J|OM 8!1|=6P,*M?MVO=~*N 0@NPS M>@J,H76;J|C4K2ZRE7BH0D23+1%TDXL1B,E@E|@|966M'SETCWD'P~X'XA MQVL 20827.P%RL@U@3\$1;1,Y'~\$GJ|=0.N@ VXLN \$ 1.L.'?AU Y'Y'8M?LO@JKSVTA9Z F8*~F= [7, 4NS-0?7RD1.0,1>~UNJGFG MG;2J|P8)GJ|N GSG\$ <+S\$,9.5<] D\$OL?WPZ&=B'<T'<16?X'OVY\$% M#K|DPK6JL&E9N\$> X#J|1P1+|CB-V0:RUU' &Z?PNW\$Y73@:@G:G*2 M|B|<38X'V4>+A,3'GJF: @Z&PXZ'~T \$DA*(C%|EB|B& M)J5\$P3-MU9@.1JH\$2\$1THO:C1FLA|J3+M+V|V|@P9NT2 8JL|XMC645 M|ZU|T4~U<(82)B&M)J\$V?BQWJEL?7L(: M4. \$?'23|'~NG4E13?>'G9WN6|0Z0J|WMT@E|U|T94H|J1E0U|T9WOHTR' MYYT4' "D=UN'K7C<97LBZF (MK>|7J1|PO=VJR:W H M96527D,5%"W9 ~ 7223N|CS>5SK)S|QI4V6 K=593) MA5BCVJC(P|5UJ|>@?<E7V~0. 78B|'K@P'ZJ,10S1M'<D=DXOK=0KU03J2?J|~ M)O7JEB'ZCM1BU'Y'EO0MYJ\$S<KBZFZ, '28IV0UQ?~ MRSF5JA=>6MO 0WDMN|:9QU|15ASO?M|L(X<~? 8(6H~HJ<.R0L <@?<L0OW:= M15?7K0'F6P6 >+>15D5ICAYS\$P\$Q+&M|BL- C4%AO5\$E9V2CV10Y M1+OWR6O)6:G/M*AV<6?J,VE-LE.B\$46+&TB3-52B697F /QWVQOQKJW5: MNMQ\$& [FYC4:~&SA|1?30J,POJ >2\$7.M8KJ\$12YA60,6)CYUCDDN9U~O&X&EUV&E.V.3K2FMJ@?~U&H&~<681CU;+<+G-LD.Y|Y|YG&T~\$J|?H|8\$08B6PKH+U|U MIN 64-1[:U:7L-0E+,\$Z'<D0!H| 7)7U:,E.1+\$'SU02LMRJL?>=4S G=&R'M; K'HCYUQO ZP\$4{8VJ2+1?FOF6K'Y'6S77 GOG8U MGL\$MVA>K<~?T@VW)XQ?~\$I\$J|F3,}>Q5<3'6HHNGJ,?%|8L>5% MEI# +\$9 7J|Q74C:~\$F5VZUM?P102P,\$% @|V-F65L Y'9'>0 MOW< ID IX;|JW;W&CUL3M9I9K3~X%G; BM4= MK1@R'57V%()&J|F5HL6~3N|GTWBMM8D<<9V'DC|X>YD,0T6 TZ?>{D|J7EL MOR>~O*V7CUSID#M*71?XE1>C79~99>.(L=38@|YQE-J2<+&X'B'W8.C(3 ME\$1E4!|[ONO.G(2P=+1.LE NQ&K+YAL;|16KDC5X>?&; MG2H>.*ME1K;TGJGV09W0=TY#B54'4EXB3>3~V(NO40A3BN LL0 C#["SC4J MNO+ ~8 BYFM?7*4~6M&8&F|S/U03?P?W6 M;D'<T'NH >:j%Z 1,QF\$~^6 ?VS N X8'QLPJO,FKP|_XV :1UO=MTV~E* M'Q%5D0J?Y\$H2FM<.<5\$J79K05A.0?CW2NA'6B3JY3M5R2~)1+1'DF6' G*K'M;5J7Y;U0W1K<1 M53N)?*59^ .5N|O?2AP?10H86W>'7C822 ZKKJ M,LX:6=6&7'&XGQ,OQJ1J7Z>8'7HB8?P 1\$&@6Y1N-IN8@4 4-<A60L 2 MAH%39263H6U1U?P|,F63E.(11=&&,(V, Y1T786!~&Q,0.1MTI?F0EM;?7 MH5#PC 05)S#ZH1ZPCY3|S(G3456+3&E3J,7H+14IOXH,B|JYDYTJG';D'KN' M2Z UO+&FBOQJ|P'SOW:2415\$? ?H(Z3A=1 1GXPJL|BIYU-TVQ'UZYNNB|O=V=F6D,RRPRI 1 9,ASU|UO:1M1\$YH+72W@/|A,~&~WYOUU?>Z\$N1U;H\$S'E?O: + D- J1T5\$?Z7ID:E,|H+86E1| C:4S4Q, M.VTJ&E; K@9L44V2 0%AK<U'Y YWT'>:~3;7WJ%;JN.SPVG~J&|8JFVF MC'YU?>SNUOQJTJ,N=Q,2E&-Z\$9'12AA,96"ZV0*S"DQ5R?M?10 M&H&6F3Y>M?|7-T&F|A 2AJY1:0\$H#41S2T2M ME IT6N-TOR\$ UAVQVB,50 M*1?TV=Z\$-8>[E*E|X KLK1F">@A?9F6B=MV1WD,9L=D J.4G6UQ|SH7. MBT?|A3M1B6P4|GK96>,'I|&<15RJA@O=K'WOE@P<4)T' I6\$HFIF&UDKJ M+ Y'Y' ~H+2 E :A?J*9'6G=MFJWVW SW'|>V>=k0|TEU0U&H.BF9E&G;EO M~:WY(D=8+H\$=:5G31!SQK2-Y|E'CE8?T@AJ5)~CN=4TP)=OR~JASJ>~ MU8&=YFES1.VZ|CUZGQ>7>+|JH%F+J=MP=VJR:W H965TVW\$F\$N>'C@|U3Z5JN,|A(OCCX#BF MOW/MREY?7CWD? ,+&CNUYD|P?RG6'GW-LZ*~&V5VKP>C|O(FN=1>24VO*A ~M60F9JZKZ*A'Y4:R9-DTRK,QGDRB<9ZDDQ6A~W6JQ+~? 78JNRM,?C2JW>9| (M|VJY|YIN1L H><~&J'MZ&W?>4F>3>3W7W)O?5M ?199GFO?A342+J5S-C M1%K%N&Z01Q,0>5Y=>G\$*?R,27~LM?R4Y01LXCXG&J|B&2ZM~.W |L|V&J M ~? C@:HX.7>8-C5,|H|KJ|>2>4A?>BNR?|E6M'X,|E6RS=0!0?CQ,0% M1R|JR,KF+W|H&B8>5>1>DSGU.LBU'~T Q\$279J5OU2|,|T\$J+~&+?%&@OT<2V95|LR~NQ MJOJN<+&M1'W|PFF7X(NA,66%|HJV+&Y;XAM|V|TJ|<9S7?J|G|A,|J 21 MYYLK1'. |CSJU+8 PYHS=W&U'Q7SH&E.'FOPVSD+1XYMSMK<@KQ65>:= M+U55FLIZ67XU(Y3GV5>EYMDP6|&U6FD4+1'..??PBR6|VWB3+&|'8P1| MJ\$=Z~,|BQ*%9=(K'R+X\$F5%GZF~|XA@*D1/L1VSC=87C=GVBWZRS#VS9J[%11. 87(YAS WXP~&B0? >3, HXGY5;R M:HO0J6U;+&5,BT>ZJM).BTA)US\$H|HCB3 XU3YRGH-B6P1=IKLD M'W.RF4(R|P|&G, YN#<[&| (1'N3?7P|J|@Z?BDW+RB6-PY) MHHQ49H=49D?7H1GD4| \$8T|@G 11.NQB<=&@.1>Q43L 'VD\$X#UDJ&12<=&+3|/H7 3IZOX**=E\$1=R>J|. 'OH,&E|U|H9GLB1L|N|P|&B' M@B*1\$@TH5FDJ%A%=#4F|UKCV19J|Q&3DM|P9@D+>9 OHS,Q?2JO K6TO M%>X78L'E42>J|IE'~L7B.RCHF\$>|}\$SBJMN1 HC\$H|JQ,~\$*H?@ 1102RD M&H.'TG4F51AUKUCQ-|R>5J?7&+.\$T2 .XC-5J5Q20X|ZQ20P5L MD|GB;D'9C554/L,BL>?TQRM8 .8|BZS 3M584Q)WA=+7=>.LD9I,90.ZPU|8|>?>OEQW>|E|JQ2WR0;+FVNKNQ.VA MT1@TF4D504UK4 *H1K'<0=>8%|U)HA,OV*EK>U>~&ZXWE: 2OD4|D|N9C|Z9 5/6M\$%:FE1L8R5Y5NDH7J054K'KZ\$;4|21I4BD2G-~V&+E\$J04U1E3Q4@F M|JWKR@.E@5\$P~3@A T14FDF?GA#&|ZZM|6'NR9YA,2GUQ,~<8*60<3/83/ ME'6*6YB 2'5Z68MT|J|XLH|8Y%|J|K|BKB,~&:=('B,2D+TDSX1), W'70@UE9JQJ|M;C;G J?7#01, HSR17JA|BXH*YV~|ICTH&H' M,V'V ZVD&FORN70(ZC0|QBU|H)GUZD'<~P?| <~%JX3./9Z:S3+XS9PH(P M/G,7C&A%3JR* E*Y.6ZGNY%|CQ|0<0~%9K)ZM,C%O'R'VAY MHK4|N;#(Q_ J->9K|P9@F;A3\$J8~T0+>X)E-M.O-UV4#0&A6;2J|4|@77; M2=7?NO>@|KD#1

M&I2:>02TJ*9N;JIG2DJI77E0- :9%MG*G-35U<=>6J2.QZWC;OSB",6<([>>H<4**A68R?28?+A13D%-G3:NEJ ,&8)M:M;P>EM M@KNKWH,5) M<H9D?ST"NA6UAZJ>L.R@:@TS2=03@1#6-V:ACI L1ZVPJ0MC M6<=>K=ZRP#-40#R&I=NRVUM=>6> A RK9H=1,HK5D#Z>L,IA4LH,B.2@TDT0M M/4-8LJ/T-UYM*4(\$? =JWIVVMWM(RW<[PCGW=22NZJIVRH/8)UJL1Y1M,M M^0AT3?<""QJ1#03/KTQ""LN=0+UJ2T3M&C^UVZ+@3\$>L>%=05J%Z45***M MV19J ZZZP1#R YC->=&N0P ,9N<[A+V7#EROBJ:CFYEF9#IE _=>+?BQ*; MYG51#TID3DPO=VJR-W:H965T ?BG9.2VJ MHBGJ9KL Q:AD7ASD0^IEYN7+>^K6^E5DK 725K+E5I^076V M4:G*Y3+UU&L9/XV3?IAV9UHG8S9JRXZBM/L ,<^JF,IEQFV91^GZGF. MBNUZ>5?ZD0D>D>I1J,7+51G3K&H&FQOJES3^IE9I)WV7J:70P6-K9E1Q0 MEDP# MZ+X J2W @58NP#O* <M+7W7B>S^X=OX0E=VJL>J>2ZIM50JQU1QEF75J1Z7K MX Y0XOKV76ZGF. VK#<#D66U?>OQ^R.KHX1SAJ^X^BKHQCLQ>@&PVHJ9S13.3:M>ZVO MBLJ=J2JF4+ESVHT _Y?@9S19 L.TPR0S!AID.8W.4^OUMG>IG HY;D/8M^ M6VZIKIN7W6VS -A+PZDL 'B?C)P">+C.@S%0=-HA3C40CAKIN6>#07YG.HI M(JDKZL>*&^RM8. M&KIH CJ5SR15"> TS/N/GHHSUP*ZW YILZ>+?> 40U2 1D:0ZJNLB>0UW5;?6:W@VDK2&8-9&>9&? M5O);<^JF4^66;S3/4I.0NE6C1?>.E.GI2^?2U.NHIO8F^SK8D^WL=I=I A(P**>AZSK;@-^D" MI/@>= P.1#100JARKI N)=AZJF/JZ@9JM^P-6 J1JU:~"SCI<=>~"~.H;8+D4W5&.R&RI MTG<SMJH...>4D.JRFL<^>12FRBTDJ1@0I6L 3P213WTW<U@I1ML:4&SCZ7? M3ICEF^L^V3RM2QF31% 98+>+Q^WV+;3L5+INZ=<C4^J1VYF0JSTJNV5HG+9XZ ML.DJF3AHV2WIM@N@&66S;<^>IDV^M.Y%A2.G#O^IG14>J.W@EHEF>62/4 M&M;D09>+>@G^F@KM@K9%U6NNIYO+>^EIK5IX QXKW2W%U4E?^I:U81U) M&=4-L.R:1JRIFFZRA1CET G16904@+N^3JWP@9XJ1JY2S =>V>F.GI2 M>T _K.F4JL27, 7#>JDU+M4JG&74TD-0>@ND&6&J1-RX4O86B Q4B2SW MB6?Z 99..U@Q0121Z5=2@T%#H3M4I+IA:9F D J1VPGFI>X^8?ZV>=F=U MJI/@=F=;L&A83RT.7%(W7 Y8%;%>+P*.OYAAPAL(MW0.P2TN%<~U^%>5.T.MNFXUYU1J^K#(QI&Z>U@X.RCJF<^>9L.U.W.BPEFF@06KAG MW850%DXGJ9F7GPPLJ?>XQ559N8B.VKZJXSVRKE<^>T^QoS<=> I&81^1Q=\$G^ MS=9!&>Z>=>PKIV^IH.P@*>OTXCSK+F/AGP .&5ADCB&?&IAD.ABI>I6+H6IA MIAM@N36S-5C(3F AUM(%LVIA9WCWDX%YAK>#3VR\$ 28/LIKJ<=>SCVI=7U MU^TJ.NJCGJ?Y=>.TB L<1=>=>Y15^A?M?>29..U@%TLO.TAJ(M64Y?>I^J M1ATJ2C^PR@P3Y3TG&3?>S=W+H?Y3- Y=GZ3M^9J^IBP.V5.+@ZKIC J02.P@/WH.G.LH.DJ3OIMV7MIHT#? P^PR^3S2L/F?F^I^NVS1 M8XK&4DIU0VPW(KO)MW1Z;<=>S1XO%F?F^I^J@I=+E+I185J^IS^>55.L3"3NR<^>M7JL&N1...>7TJ(XBL(EZ>Q^O^#B5R^UO2.P%T^H&Z098:LH448UR-XUZA>+Y M.JARX(OJP)M&@<=>I.D:12>3DHO>4B1>RWR9K8&^ODI?>2.H^S1%8&=R19 MA6&2.P5T8-A1N<=>K&AD6VZ9R@EKEKIFUEOP45=74=T RZT3G9D%G&XJ2^>43?^I> MH\$=U RRW9J&G6\$G WT?+N^JNDH>04>=>+&#RGI/6686:BONPJPJ5I M9SVIAQ2W%U4E?^I:U81U) M&=4-L.R:1JRIFFZRA1CET G16904@+N^3JWP@9XJ1JY2S =>V>F.GI2 M3>...>YD?<=>8DSJ">HGKHJUEELS7JLJPLV)WVW%*KJX M2+&F J1YJ3<H43 1.# /IGI2QVDSIANV5>I4.VI 5I6^W.&(HLI2) MNNNIY<^>H^XM=U M3<=>W7.7I448CU2=>G&+N1=&+HJMIAMVIR..0JLT@>I^J M=I2D72CJ(IJ9.1>5.&D0&59YVIXI07R515W51 MW0#+&9JFM06=YX&K&6 79DLXU@>1/JM^RNG MM(DV^K76J/6N %0WP^KQGT+@&WSY^YD^"I1S15#.#7+06Z#0. MAWJK@>RR .&S&>YXBD0.EY2?K^SIH^X/HJ1J**I(OK#JG+VQJ2\$2NRH.H#F MUGRWB^"I2#6B?#7@FE^N BP45S5'= _NME:UL.MI _\$FF:AEWL[6S<=>?3?>VDPVZ^XZ&55FLV>Z1?%621.=RUJZFV>?>?>?> MU:~+&OOYJ1UOIT2/4 617^>=>=>=A/B7SWIKO=AS+U^VJ^?59..N URI M^GRJ1J ?RRIO5#M8#ZP3G P=02P \$% @ I^F64..>0> P_O M D IJ:~W.WKXULWV51L.YLPSXVEE=>K.3M MJLR@ 1331M^Y6B1-V>3B^58.94+>WVWLVI^52&NUA+W^GN^>S26>XTJ1 JRM.6/2R=HDM+2V63JFLA(I.B;J@I^HCA= (5M<C^S-.IYJ4^59& 155G61 MTS3JQ=ONQIU4MWP2T<25?>7UWP>@JDOHEJ6XMMN06K? TKCAJ1B7I26HV&CTV MLN2B@GMH(51..14^?7T4I ASIS9Q<9G^? 7LGJN0->7&S&C&K&@^#0^Q^ M^I1T13C&G&3&CELZ&+EJ8O _NM.6/3>P4O^MR&V9T^>4Y%#P5MJMZGJ H.7> M65&O79J(CRC6F-5-8^QD&K4 9^>#TX TOGJF# 1#>R^+Y5K^ M^RUISRI-8JYHEXULXO^?6A4(VIWBNCN 2H09J.1>4^4R66...<M9^M. M2^>?WMIJ^HBHR..0\$@.U.OB#82J9<>C^ U^X3OI1^"9 MDI X@I(G%V KZJ^U) A2.KAT5LXO^6C ">4^WT^>K125JZV.PRSJLWPCQI.M@X3BI^C01Z^IQP .3>#?#MDIC 1/9&8&3C^ZQITN)DIKK<^>C.LE5NI=>^W^<^>MAO6XWE?D/1J?>?>ID4XIM.8<^>U7V2^6<^?^I=>@D8+Y2RI <P2CFI.I02P.\$% @ I^C M69IR8A6<@ 6 <ID IJ:~W.WKXULWV51L.YLPSXVEE=>K.3M MJLR@ 1331M^Y6B1-V>3B^58.94+>WVWLVI^52&NUA+W^GN^>S26>XTJ1 JRM.6/2R=HDM+2V63JFLA(I.B;J@I^HCA= %K\$@>4^NMFXLP1542.J+I.J^X L.H.IJXV+O.:U<4<=&IADHNIPOOH6M=P5 *\$>U4OIC9J1^M^CJ56P41I8&I6M3.3AIS6<=&8+&I/N-OYOGT^UP> SA? NVFRS1.J.8L^"MF0NUIH1H4@ZEY^J1JY^JAGXIOF>?>7VYQI>?>Y2 MJH/EI5^%3%#-WP.7 MIO C^6A^F3HOZX 3^H3^D%#^B^+TJ10K12A.#4 M MFEN+L.H.7:6-VJ>-JM^ MS@V2\$N9-V4JSI7? 5&S 2127J>IBNM E19>=>#0=I72?>+>I4+T^F3=ZGEVJ M4E2@O/RM0.5>IIGT7D.WGY5S>-BX?>+>SKL1^TUY=3JLAE.^% .W. IJMPD^ MY#M^H3Y\$S^C/L^F/EAI\$^I4F\$<7(4BIM C-ICYCOI <9&X 72>JHBT^JY\$8L> ML3B<~" T83ZFR5N15PBE <~(F#Y2+BCS)=I^C^K7/2P8B5OQKA^#N1J%&(9&6) M=MSOJUEHJ.BCIEH<^>ZX=I>M^D< G- <+T3^F-C3M?>8ENI02P.\$% @ M1C^F62=9^M.X @>04 ID IJ:~W.WKXULWV51L.YLPSXVEE=>K.3M MJLR@ 1331M^Y6B1-V>3B^58.94+>WVWLVI^52&NUA+W^GN^>S26>XTJ1 JRM.6/2R=HDM+2V63JFLA(I.B;J@I^HCA= /&RKHJH^X8147-LJGHPS^"NAOYH?2AI1J. MSP^B^A1^#R#N=XYUEF792YV5FB54NTRTBV. >>#2J\$4I0QV5N1L09JL M81.V\$8L-31<3% 3+2^>4X79 2M@I YCNMHL..DSJ^U<=>5^FBMS46Y+&B MBEP049.(24>C4F800(SST MV@UG?>?@RG18&KD>?>(S2\$R^XNVL.4<I1^=V33DS<@IAI=AU MIO0\$>L^>72?>32J3.9 7(CKD0#R\$J<I&CJXTR @I%~\$>:Fl^4^NZJPL S MN8=CGX6WDLN\$4 %C&7=3.9:5EPO<~"TSO1#97U1+ P04 *#P@V99T^M^I^P\$ I/@>=&AL^W+O69J3(OI MS38J3\$@LHCEI=TVPUJF&B+>=B\$WVW6> I^?>89+>M^?>A85^ MUX8OX68K1@9U.4 JACVJ103S^296E."*8J#UF^OJT4&IPS.23M^#H7I=7 M^ SH&6.7JLC8M SDCV^A/FI:~37D10<=>6^G^OI4.FXWL%56K^W^X^?>N M^M06@M8I M+EA<=&6M/RM^>=A+I1<=>O.G>A.9^ #64=F)PSPD5/V^ M1C.Y6S/OJL\$S^F1N^I^W.CZBJL^N^YNI=5^<W<~9JRY^&I&.& M@F>29 .PIPYJ2M9TH<@>4RFFVJVKRY^>PK2W^W^REI MF LJRI8A/L^66&SCK Y1% ^FC.4>J1JMA+I%V NEH44VPXIS5 75 M140Z\$>30J2T^ 3UI\$1#1=5.3K=JUN&30I.9 J^>%Z%I^B(F@>Z.R.NO ME#<I^Z772LTRS Q8-20\$HJ.RC>@>=&I.6^< <#&@."X^P#A-#U+3I1?T=>B-I@?>M^K@>@P.#3 FTEUZY8Z9P># M/JG@ISAJED 5G/9Y?>7B^EJ.UO^OY.1>JN) >4A VGVVL16=Z/RIZ M MG3J3CWC^<+>3/I^#5H>=>F1^A+>FOL(12)@I^O&O <5^K<0K1.6%6C \$D\$ 16\$ 9^P PC6B&6F6168JG13J4XUQE.T:W.CZL26D(1VEZHJG^KI^GYMKO^U^M2 @& MUJIVMHL28R-9P=I4+I^JINK^I>@P@ZJ) %2C1.5YH>#02BM.L=I\$6 2.GA40 M^*M^O ->4YH^22^A.IJ.S0\$&GC0G4^&1DB8T.SNSDAM^@P3M0%#25I1>W M^F>=SWJ0^1. 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[illegible]

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Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). Also includes amount of liabilities classified as other, due within one year or the normal operating cycle, if longer.", "label": "Accrued and Other Liabilities, Current", "terseLabel": "Accrued expenses and other current liabilities", "totalLabel": "Total accrued expenses and other current liabilities" } } }, "auth_ref": [] }, "us-gaap AccruedIncomeTaxesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedIncomeTaxesCurrent", "crdr": "credit", "presentation": { "http://www.veeco.com/role/StatementConsolidatedBalanceSheets" |, "lang": { "en-us": { "role": { "label": "Accrued Income Taxes, Current", "terseLabel": "Income taxes payable", "documentation": "Carrying amount as of the balance sheet date of the unpaid sum of the known and estimated amounts payable to satisfy all currently due domestic and foreign income tax obligations." } } }, "auth_ref": ["r66", "r122"] }, "us-gaap AccruedLiabilitiesCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesCurrentAbstract", "presentation": { "http://www.veeco.com/role/DisclosureLiabilitiesAccruedExpensesAndOtherCurrentLiabilitiesDetails" |, "lang": { "en-us": { "role": { "label": "Accrued Liabilities, Current [Abstract]", "terseLabel": "Accrued expenses and other current liabilities" } } }, "auth_ref": [] }, "us-gaap AccruedProfessionalFeesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedProfessionalFeesCurrent", "crdr": "credit", "presentation": { "http://www.veeco.com/role/DisclosureLiabilitiesAccruedExpensesAndOtherCurrentLiabilitiesDetails" |, "lang": { "en-us": { "role": { "label": "Accrued Professional Fees, Current", "terseLabel": "Professional fees", "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and payable for professional fees, such as for legal and accounting services received. 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Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners." } } } , { "auth ref": ["r3", "r12", "r19", "r491", "r494", "r537", "r642", "r643", "r923", "r924", "r925", "r933", "r934", "r935", "r936"] } , { "us-gaap AccumulatedTranslationAdjustmentMember", { "xbrlItemType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedTranslationAdjustmentMember", "presentation": ["http://www.veeco.com/role/DisclosureEquityAociRollforwardDetails"] , "lang": { "en-us": { "role": { "label": "Accumulated Foreign Currency Adjustment Attributable to Parent [Member]", "terseLabel": "Foreign Currency Translation", "documentation": "Accumulated other comprehensive income (loss) resulting from foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature, attributable to the parent." } } } , { "auth ref": ["r4", "r12", "r19", "r85", "r86", "r174", "r175", "r516", "r517", "r518", "r519", "r520", "r923"] } , { "ecd Additional402vDisclosureTextBlock", { "xbrlItemType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Additional402vDisclosureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"] , "lang": { "en-us": { "role": { "label": "Additional 402(v) Disclosure [Text Block]", "terseLabel": "Additional 402(v) Disclosure" } } } , { "auth ref": ["r863"] } , { "us-gaap AdditionalPaidInCapitalCommonStock", { "xbrlItemType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalCommonStock", "crdr": "credit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheets"] , "lang": { "en-us": { "role": { "label": "Additional Paid in Capital, Common Stock", "terseLabel": "Additional paid-in capital", "documentation": "Value received from shareholders in common stock-related transactions that are in excess of par value or stated value and amounts received from other stock-related transactions. Includes only common stock transactions (excludes preferred stock transactions). 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Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation." } } } , "auth ref": ["r25", "r151", "r742"] } , "us-gaap_CashAndCashEquivalentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAxis", "presentation": [

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Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. 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Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r2", "r100"] }, "veeco_CashEquivalentsFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "CashEquivalentsFairValueDisclosure", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"], "lang": { "en-us": { "role": { "documentation": "Fair value portion of short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates.", "label": "Cash Equivalents, Fair Value Disclosure", "terseLabel": "Total Cash equivalents" } } }, "auth_ref": [] }, 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} } }, "auth_ref": ["r107", "r330", "r331", "r726", "r968", "r974"] }, "veeco_CommonStockEquivalentsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "CommonStockEquivalentsMember", "presentation": ["http://www.veeco.com/role/DisclosureIncomePerCommonShareSharesExcludedFromEpsDetails"], "lang": { "en-us": { "role": { "documentation": "A security that can be converted into common stock. May include stock options, warrants, convertible bonds, preferred bonds, two-class common stock and contingent shares.", "label": "Common Stock Equivalents [Member]", "terseLabel": "Common share equivalents" } } }, "auth_ref": [] }, "us-gaap_CommonStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockMember", "presentation": ["http://www.veeco.com/role/DisclosureEquityStatementOfStockholdersEquityDetails"], "lang": { "en-us": { "role": { "label": "Common Stock [Member]", "terseLabel": "Common Stock", "documentation": "Stock that is subordinate to all other stock of the issuer." } } }, "auth_ref": ["r816", "r817", "r818", "r820", "r821", "r822", "r823", "r933", "r934", "r936", "r986", "r1056", "r1057"] }, "us-gaap_CommonStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockParOrStatedValuePerShare", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common Stock, Par or Stated Value Per Share", "terseLabel": "Common stock, par value (in dollars per share)", "documentation": "Face amount or stated value per share of common stock." } } }, "auth_ref": ["r76"] }, "us-gaap_CommonStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesAuthorized", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common Stock, Shares Authorized", "terseLabel": "Common stock, authorized shares", "documentation": "The maximum number of common shares permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": ["r76", "r668"] }, "us-gaap_CommonStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesIssued", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common Stock, Shares, Issued", "terseLabel": "Common stock, shares issued", "documentation": "Total number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury." } } }, "auth_ref": ["r76"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common Stock, Shares, Outstanding", "terseLabel": "Common stock, shares outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r13", "r76", "r668", "r686", "r1057", "r1058"] }, "us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValue", "crdr": "credit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Common Stock, Value, Issued", "verboseLabel": "Common stock, \$0.01 par value; 120,000,000 shares authorized; 56,778,136 shares issued and outstanding at September 30, 2024 and 56,364,131 shares issued and outstanding at December 31, 2023", "documentation": "Aggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r76", "r616", "r799"] }, "ecd_CompActuallyPaidVsCoSelectedMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsCoSelectedMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Company Selected Measure [Text Block]", "terseLabel": "Compensation Actually Paid vs. Company Selected Measure" } } }, "auth_ref": ["r880"] }, "ecd_CompActuallyPaidVsNetIncomeTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsNetIncomeTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Net Income [Text Block]", "terseLabel": "Compensation Actually Paid vs. Net Income" } } }, "auth_ref": ["r879"] }, "ecd_CompActuallyPaidVsOtherMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsOtherMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Other Measure [Text Block]", "terseLabel": "Compensation Actually Paid vs. Other Measure" } } }, "auth_ref": ["r881"] }, "ecd_CompActuallyPaidVsTotalShareholderRtnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsTotalShareholderRtnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Total Shareholder Return [Text Block]", "terseLabel": "Compensation Actually Paid vs. Total Shareholder Return" } } }, "auth_ref": ["r878"] }, "veeco_CompletionOfMilestonesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "CompletionOfMilestonesMember", "presentation": ["http://www.veeco.com/role/DisclosureBusinessCombinationConsiderationDetails"], "lang": { "en-us": { "role": { "documentation": "Completion of certain defined milestones.", "label": "Completion of Milestones [Member]", "terseLabel": "Completion of certain defined milestones" } } }, "auth_ref": [] }, "veeco_CompoundSemiconductorMember": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "CompoundSemiconductorMember", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"], "lang": { "en-us": { "role": { "documentation": "Represents the entity's Compound Semiconductor reporting segment.", "label": "Compound Semiconductor [Member]", "terseLabel": "Compound Semiconductor" } } }, "auth_ref": [] }, "us-gaap_ComprehensiveIncomeNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTax", "crdr": "credit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfComprehensiveIncome"], "lang": { "en-us": { "role": { "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent", "totalLabel": "Total comprehensive income (loss)", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r20", "r170", "r172", "r176", "r608", "r627", "r628"] }, "us-gaap_ContingentConsiderationByTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContingentConsiderationByTypeAxis", "presentation": ["http://www.veeco.com/role/DisclosureBusinessCombinationConsiderationDetails"], "lang": { "en-us": { "role": { "label": "Contingent Consideration by Type [Axis]", "documentation": "Information by type of contingent consideration." } } }, "auth_ref": [] }, "us-gaap_ContingentConsiderationTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContingentConsiderationTypeDomain", "presentation": ["http://www.veeco.com/role/DisclosureBusinessCombinationConsiderationDetails"], "lang": { "en-us": { "role": { "label": "Contingent Consideration Type [Domain]", "documentation": "Description of contingent payment arrangement." } } }, "auth_ref": [] }, "us-gaap_ContractWithCustomerLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiability", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesContractLiabilitiesDetails"], "lang": { "en-us": { "role": { "label": "Contract with Customer, Liability", "terseLabel": "Contract liability", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable." } } }, "auth_ref": ["r388", "r389", "r402"] }, "us-gaap_ContractWithCustomerLiabilityRevenueRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",

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Convertible. Fair Value by Fair Value Hierarchy Level [Extensible Enumeration]", "terseLabel": "Convertible Debt. Fair Value by Fair Value Hierarchy Level", "documentation": "Indicates level within fair value hierarchy of convertible debt." } } }, "auth_ref": ["r361", "r989"] }, "us-gaap_ConvertibleDebtFairValueDisclosures": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConvertibleDebtFairValueDisclosures", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesInterestExpenseDetails"], "lang": { "en-us": { "role": { "label": "Convertible Debt. Fair Value Disclosures", "terseLabel": "Estimated fair value", "documentation": "Fair value portion of borrowing which can be exchanged for a specified number of another security at the option of the issuer or the holder, for example, but not limited to, the entity's common stock." } } }, "auth_ref": ["r989", "r990", "r991", "r992", "r999"] }, "us-gaap_ConvertibleDebtMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConvertibleDebtMember", "presentation": ["http://www.veeco.com/role/DisclosureIncomePerCommonShareSharesExcludedFromEpsDetails", "http://www.veeco.com/role/DisclosureLiabilities202320252027And2029ConvertibleSeniorNotesDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesCarryingValueDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesInterestExpenseDetails"], "lang": { "en-us": { "role": { "label": "Convertible Debt [Member]", "terseLabel": "Convertible Notes", "documentation": "Borrowing which can be exchanged for a specified number of another security at the option of the issuer or the holder, for example, but not limited to, the entity's common stock." } } }, "auth_ref": ["r109", "r353", "r354", "r359", "r360", "r361", "r364", "r365", "r366", "r367", "r368", "r766", "r767", "r768", "r769", "r770"] }, "us-gaap_ConvertibleDebtTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConvertibleDebtTableTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesTables"], "lang": { "en-us": { "role": { "label": "Convertible Debt [Table Text Block]", "terseLabel": "Schedule of carrying value of Convertible Senior Notes", "documentation": "Tabular disclosure of convertible debt instrument. Includes, but is not limited to, principal amount and amortized premium or discount." } } }, "auth_ref": [] }, "veeco_ConvertibleSeniorUnsecuredNotesDue2023Member": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "ConvertibleSeniorUnsecuredNotesDue2023Member", "presentation": ["http://www.veeco.com/role/DisclosureLiabilities202320252027And2029ConvertibleSeniorNotesDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesInterestExpenseDetails"], "lang": { "en-us": { "role": { "documentation": "Convertible Senior Unsecured Notes, Due 2023 (2023 Notes).", "label": "Convertible Senior Unsecured Notes Due 2023 [Member]", "terseLabel": "2023 Notes" } } }, "auth_ref": [] }, "veeco_ConvertibleSeniorUnsecuredNotesDue2025AndDue2027Member": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "ConvertibleSeniorUnsecuredNotesDue2025AndDue2027Member", "presentation": 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2025, Due 2027 and Due 2029 [Member]", "terseLabel": "2025 Notes, 2027 Notes, and 2029 Notes" } } }, "auth_ref": [] }, "veeco_ConvertibleSeniorUnsecuredNotesDue2025Member": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "ConvertibleSeniorUnsecuredNotesDue2025Member", "presentation": ["http://www.veeco.com/role/DisclosureLiabilities202320252027And2029ConvertibleSeniorNotesDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesCarryingValueDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesInterestExpenseDetails"], "lang": { "en-us": { "role": { "documentation": "Convertible Senior Unsecured Notes, Due 2025 (2025 Notes).", "label": "Convertible Senior Unsecured Notes, Due 2025 [Member]", "terseLabel": "2025 Notes" } } }, "auth_ref": [] }, "veeco_ConvertibleSeniorUnsecuredNotesDue2027Member": { "xbrltype": 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This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities." } } }, "auth_ref": ["r90", "r91", "r573"] }, "us-gaap_CostOfSalesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfSalesMember", "presentation": ["http://www.veeco.com/role/DisclosureShareBasedCompensationRecognizedShareBasedCompensationDetails"], "lang": { "en-us": { "role": { "label": "Cost of Sales [Member]", "terseLabel": "Cost of Sales", "documentation": "Primary financial statement caption encompassing cost of sales." } } }, "auth_ref": [] }, "dei_CoverAbstract": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CoverAbstract", "lang": { "en-us": { "role": { "label": "Cover [Abstract]", "documentation": "Cover page." } } }, "auth_ref": [] }, "dei_CurrentFiscalYearEndDate": { "xbrltype": "gMonthDayItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CurrentFiscalYearEndDate", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Current Fiscal Year End Date", "documentation": "End date of current fiscal year in the format --MM-DD." } } }, "auth_ref": [] }, "us-gaap_CustomerRelationshipsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CustomerRelationshipsMember", "presentation": ["http://www.veeco.com/role/DisclosureAssetsIntangibleAssetsDetails"], "lang": { "en-us": { "role": { "label": "Customer Relationships [Member]", "terseLabel": "Customer relationship", "documentation": "Customer relationship that exists between an entity and its customer, for example, but not limited to, tenant relationships." } } }, "auth_ref": ["r52", "r958", "r959", "r960", "r961", "r963", "r964", "r966", "r967"] }, "veeco_DataStorageMember": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "DataStorageMember", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"], "lang": { "en-us": { "role": { "documentation": "Represents the entity's Data Storage reporting segment. Data Storage segment consists of ion beam etch, ion beam deposition, diamond-like carbon, physical vapor deposition and dicing and slicing products sold primarily to customers in the data storage industry." } } }, "label": "Data Storage [Member]", "terseLabel": "Data Storage" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentAxis", "presentation": ["http://www.veeco.com/role/DisclosureLiabilities202320252027And2029ConvertibleSeniorNotesDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesCarryingValueDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesDetails", "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesInterestExpenseDetails", "http://www.veeco.com/role/DisclosureLiabilitiesRevolvingCreditFacilityDetails"], "lang": { "en-us": { "role": { "label": "Debt Instrument [Axis]", "documentation": 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Includes beneficial interest in securitized financial asset." } } }, "auth_ref": ["r134", "r306", "r763"] }, "us-gaap_DebtSecuritiesAvailableForSaleContinuousUnrealizedLossPosition12MonthsOrLongerAccumulatedLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtSecuritiesAvailableForSaleContinuousUnrealizedLossPosition12MonthsOrLongerAccumulatedLoss", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsAvailableForSaleSecuritiesDetails"], "lang": { "en-us": { "role": { "label": "Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, 12 Months or Longer, Accumulated Loss", "negatedLabel": "Investments, Continuous loss position for 12 months or more, Gross Unrealized Losses", "documentation": "Amount of accumulated unrealized loss on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), in continuous unrealized loss position for less than 12 months, without allowance for credit loss. Includes beneficial interest in securitized financial asset." } } }, "auth_ref": ["r134", "r306"] }, "us-gaap_DebtSecuritiesAvailableForSaleContinuousUnrealizedLossPositionLessThan12Months": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtSecuritiesAvailableForSaleContinuousUnrealizedLossPositionLessThan12Months", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsAvailableForSaleSecuritiesDetails"], "lang": { "en-us": { "role": { "label": "Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, Less Than 12 Months", "terseLabel": "Investments, Continuous loss position for less than 12 months, Estimated Fair Value", "documentation": "Amount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), in continuous unrealized loss position for less than 12 months, without allowance for credit loss. Includes beneficial interest in securitized financial asset." } } }, "auth_ref": ["r134", "r306", "r763"] }, "us-gaap_DebtSecuritiesAvailableForSaleContinuousUnrealizedLossPositionLessThan12MonthsAccumulatedLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtSecuritiesAvailableForSaleContinuousUnrealizedLossPositionLessThan12MonthsAccumulatedLoss", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsAvailableForSaleSecuritiesDetails"], "lang": { "en-us": { "role": { "label": "Debt Securities, Available-for-Sale, Continuous Unrealized Loss Position, Less Than 12 Months, Accumulated Loss", "negatedLabel": "Investments, Continuous loss position for less than 12 months, Gross Unrealized Losses", "documentation": "Amount of accumulated unrealized loss on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), in continuous unrealized loss position for less than 12 months, without allowance for credit loss. Includes beneficial interest in securitized financial asset." } } }, "auth_ref": ["r134", "r306"] }, "veeco_DebtSecuritiesAvailableForSaleMaturityAllocatedAndSingleMaturityDateRollingAfterOneThroughTwoYearsAmortizedCost": { "xbrltype": "monetaryItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "DebtSecuritiesAvailableForSaleMaturityAllocatedAndSingleMaturityDateRollingAfterOneThroughTwoYearsAmortizedCost", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsAvailableForSaleSecuritiesDetails"], "lang": { "en-us": { "role": { "documentation": "Amortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next rolling fiscal year through second year following latest fiscal year. For interim and annual periods when interim period is reported on rolling approach, from latest statement of financial position date." }, "label": "Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Two Years, Amortized Cost", "terseLabel": "Amortized Cost, Due after one year through two years" } } }, "auth_ref": [1] }

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For interim and annual periods when interim period is reported on rolling approach, from latest statement of financial position date." }, "label": "Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Two Years, Fair Value", "terseLabel": "Estimated Fair Value, Due after one year through two years" } } }, "auth_ref": [] }, "us-gaap_DebtSecuritiesAvailableForSaleRealizedGainLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtSecuritiesAvailableForSaleRealizedGainLoss", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsAvailableForSaleSecuritiesDetails"], "lang": { "en-us": { "role": { "label": "Debt Securities, Available-for-Sale, Realized Gain (Loss)", "terseLabel": "Realized gains or losses", "documentation": "Amount of realized gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)." } } }, "auth_ref": ["r949"] }, "us-gaap_DebtSecuritiesAvailableForSaleTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtSecuritiesAvailableForSaleTable", "presentation": ["http://www.veeco.com/role/DisclosureAssetsAvailableForSaleSecuritiesDetails"], "lang": { "en-us": { "role": { "label": "Debt Securities, Available-for-Sale Table", "documentation": "Disclosure of information about investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)." } } }, "auth_ref": ["r264", "r265", "r266", "r267", "r268", "r269", "r270", "r271", "r272", "r273", "r274", "r275"] }, "us-gaap_DebtSecuritiesAvailableForSaleUnrealizedLossPositionFairValueTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtSecuritiesAvailableForSaleUnrealizedLossPositionFairValueTableTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureAssetsTables"], "lang": { "en-us": { "role": { "label": "Debt Securities, Available-for-Sale, Unrealized Loss Position, Fair Value [Table Text Block]", "terseLabel": "Schedule of fair value and unrealized losses of available-for-sale securities in a loss position", "documentation": "Tabular disclosure of fair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), in unrealized loss position, without allowance for credit loss. Includes beneficial interest in securitized financial asset." } } }, "auth_ref": ["r133", "r763", "r954"] }, "us-gaap_DeferredIncomeTaxAssetsNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredIncomeTaxAssetsNet", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Deferred Income Tax Assets, Net", "terseLabel": "Deferred income taxes", "documentation": "Amount, after allocation of valuation allowances and deferred tax liability, of deferred tax asset attributable to deductible differences and carryforwards, with jurisdictional netting." } } }, "auth_ref": ["r452", "r453"] }, "us-gaap_DeferredIncomeTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredIncomeTaxExpenseBenefit", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Deferred Income Tax Expense (Benefit)", "verboseLabel": "Deferred income taxes", "documentation": "Amount of deferred income tax expense (benefit) pertaining to income (loss) from continuing operations." } } }, "auth_ref": ["r9", "r143", "r932"] }, "us-gaap_DeferredIncomeTaxLiabilitiesNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredIncomeTaxLiabilitiesNet", "crdr": "credit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Deferred Income Tax Liabilities, Net", "terseLabel": "Deferred income taxes", "documentation": "Amount, after deferred tax asset, of deferred tax liability attributable to taxable differences with jurisdictional netting." } } }, "auth_ref": ["r452", "r453", "r614"] }, "us-gaap_DeferredRevenueCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredRevenueCurrent", "crdr": "credit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Deferred Revenue, Current", "terseLabel": "Contract liabilities", "documentation": "Amount of deferred income and obligation to transfer product and service to customer for which consideration has been received or is receivable, classified as current." } } }, "auth_ref": ["r921"] }, "us-gaap_DepositAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DepositAssets", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsPrepaidExpensesAndOtherCurrentAssetsDetails"], "lang": { "en-us": { "role": { "label": "Deposit Assets", "terseLabel": "Deposits with suppliers", "documentation": "The carrying amount of the asset transferred to a third party to serve as a deposit, which typically serves as security against failure by the transferor to perform under terms of an agreement." } } }, "auth_ref": ["r920"] }, "us-gaap_Depreciation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Depreciation", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsPropertyPlantAndEquipmentDetails"], "lang": { "en-us": { "role": { "label": "Depreciation", "terseLabel": "Depreciation expense", "documentation": "The amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation." } } }, "auth_ref": ["r9", "r39"] }, "us-gaap_DepreciationDepletionAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DepreciationDepletionAndAmortization", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Depreciation, Depletion and Amortization", "terseLabel": "Depreciation and amortization", "documentation": "The aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets." } } }, "auth_ref": ["r9", "r232", "r243", "r252", "r757", "r758"] }, "veco_DerivativeContractCappedCallMember": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "DerivativeContractCappedCallMember", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesCappedCallTransactionsDetails"], "lang": { "en-us": { "role": { "label": "Capped call contract", "terseLabel": "Derivative Contract Capped Call [Member]", "documentation": "Capped call contract." } } }, "auth_ref": [] }, "us-gaap_DerivativeContractTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeContractTypeDomain", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesCappedCallTransactionsDetails"], "lang": { "en-us": { "role": { "label": "Derivative Contract [Domain]", "documentation": "Financial instrument or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset." } } }, "auth_ref": ["r658", "r660", "r673", "r674", "r675", "r676", "r677", "r678", "r679", "r681", "r682", "r683", "r684", "r694", "r695", "r696", "r697", "r700", "r701", "r702", "r703", "r718", "r719", "r720", "r721", "r816", "r818", "r993", "r994", "r995", "r996", "r997", "r998", "r1000", "r1001"] }, "us-gaap_DerivativeInstrumentRiskAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeInstrumentRiskAxis", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesCappedCallTransactionsDetails"], "lang": { "en-us": { "role": { "label": "Derivative Instrument [Axis]", "documentation": "Information by type of derivative contract." } } }, "auth_ref": ["r58", "r60", "r61", "r119", "r658", "r660", "r673", "r674", "r675", "r676", "r677", "r678", "r679", "r681", "r682", "r683", "r684", "r694", "r695", "r696", "r697", "r700", "r701", "r702", "r703", "r718", "r719", "r720", "r721", "r747", "r816", "r818", "r993", "r994", "r995", "r996", "r997", "r998", "r1000", "r1001"] }, "us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureShareBasedCompensation"], "lang": { "en-us": { "role": { "label": "Share-Based Payment Arrangement [Text Block]", "terseLabel": "Share-based compensation", "documentation": "The entire disclosure for share-based payment arrangement." } } }, "auth_ref": ["r412", "r417", "r445", "r446", "r447", "r780"] }, "us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsShareBasedPaymentsAbstract", "lang": { "en-us": { "role": { "label": "Share-based Compensation" } } }, "auth_ref": [] }, "dei_DocumentFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalPeriodFocus", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Fiscal Period Focus", "documentation": "Fiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY." } } }, "auth_ref": [] }, "dei_DocumentFiscalYearFocus": { "xbrltype": "yearItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalYearFocus", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Fiscal Year Focus", "documentation": "This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006." } } }, "auth_ref": [] }, "dei_DocumentPeriodEndDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentPeriodEndDate", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Period End Date", "documentation": "For the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD." } } }, "auth_ref": [] }, "dei_DocumentQuarterlyReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentQuarterlyReport", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Quarterly Report", "documentation": "Boolean flag that is true only for a form used as a quarterly report." } } }, "auth_ref": ["r830"] }, "dei_DocumentTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentTransitionReport", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Transition Report", "documentation": "Boolean flag that is true only for a form used as a transition report." } } }, "auth_ref": ["r862"] }, "dei_DocumentType": { "xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentType", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Type", "documentation": "The type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'." } } }, "auth_ref": [] }, "ecd_DvdsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTHCompForCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "DvdsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTHCompForCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Dividends or Other Earnings Paid on Equity Awards Not Otherwise Reflected in Total Compensation for Covered Year [Member]", "terseLabel": "Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year" } } }, "auth_ref": ["r873"] }, "us-gaap_EMEAMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EMEA", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"], "lang": { "en-us": { "role": { "label": "EMEA [Member]", "terseLabel": "EMEA", "documentation": "Regions of Europe, Middle East and Africa." } } }, "auth_ref": ["r1059", "r1060", "r1061", "r1062"] }, "us-gaap_EarningsPerShareAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareAbstract", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Income Per Common Share", "terseLabel": "Income (loss) per common share." } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareBasic": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasic", "presentation": ["http://www.veeco.com/role/DisclosureIncomePerCommonShareBasicAndDilutedDetails", "http://www.veeco.com/role/StatementConsolidatedStatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Earnings Per Share, Basic", "terseLabel": "Basic (in dollars per share)", "documentation": "The amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period." } } }, "auth_ref": ["r177", "r200", "r201", "r202", "r203", "r204", "r205", "r210", "r213", "r225", "r226", "r227", "r231", "r473", "r482", "r499", "r500", "r609", "r629", "r751"] }, "us-gaap_EarningsPerShareDiluted": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareDiluted", "presentation": ["http://www.veeco.com/role/DisclosureIncomePerCommonShareBasicAndDilutedDetails", "http://www.veeco.com/role/StatementConsolidatedStatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Earnings Per Share, Diluted", "terseLabel": "Diluted (in dollars per share)", "documentation": "The amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period." } } }, "auth_ref": ["r177", "r200", "r201", "r202", "r203", "r204", "r205", "r213", "r225", "r226", "r227", "r231", "r473", "r482", "r499", "r500", "r609", "r629", "r751"] }, "veco_EarningsPerShareDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "EarningsPerShareDisclosureAbstract", "presentation": ["http://www.veeco.com/role/DisclosureIncomePerCommonShareBasicAndDilutedDetails"], "lang": { "en-us": { "role": { "documentation": "No definition available." }, "label": "Earnings Per Share, Disclosure [Abstract]", "terseLabel": "Net income (loss) per common share." } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureIncomePerCommonShare"], "lang": { "en-us": { "role": { "label": "Earnings Per Share [Text Block]", "terseLabel": "Income Per Common Share", "documentation": "The entire disclosure for earnings per share." } } }, "auth_ref": ["r209", "r228", "r229", "r230"] }, "us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations", "terseLabel": "Effect of exchange rate changes on" } } } }

cash and cash equivalents", "documentation": "Amount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; held in foreign currencies; including, but not limited to, disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r1004"] }, "us-gaap_EffectiveIncomeTaxRateContinuingOperations": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateContinuingOperations", "presentation": ["http://www.veeco.com/role/DisclosureIncomeTaxesDetails"] }, "lang": { "en-us": { "role": { "label": "Effective Income Tax Rate Reconciliation, Percent", "terseLabel": "Effective tax rate (as a percent)", "documentation": "Percentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations." } } }, "auth_ref": ["r455", "r782"] }, "us-gaap_EmployeeRelatedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeRelatedLiabilitiesCurrent", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesAccruedExpensesAndOtherCurrentLiabilitiesDetails"] }, "lang": { "en-us": { "role": { "label": "Employee-related Liabilities, Current", "terseLabel": "Payroll and related benefits", "documentation": "Total of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r66"] }, "us-gaap_EmployeeServiceShareBasedCompensationAggregateDisclosuresAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationAggregateDisclosuresAbstract", "presentation": ["http://www.veeco.com/role/DisclosureShareBasedCompensationRecognizedShareBasedCompensationDetails"] }, "lang": { "en-us": { "role": { "label": "Share-Based Payment Arrangement, Additional Disclosure [Abstract]", "verboseLabel": "Recognized share-based compensation" } } }, "auth_ref": [] }, "us-gaap_EmployeeStockOptionMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeStockOptionMember", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"] }, "lang": { "en-us": { "role": { "label": "Employee Stock Option [Member]", "terseLabel": "Employee Stock Option", "documentation": "Share-based payment arrangement granting right, subject to vesting and other restrictions, to purchase or sell certain number of shares at predetermined price for specified period of time." } } }, "auth_ref": [] }, "dei_EntityAddressAddressLine1": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressAddressLine1", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Address, Address Line One", "documentation": "Address Line 1 such as Attn, Building Name, Street Name" } } }, "auth_ref": [] }, "dei_EntityAddressCityOrTown": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressCityOrTown", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Address, City or Town", "documentation": "Name of the City or Town" } } }, "auth_ref": [] }, "dei_EntityAddressPostalZipCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressPostalZipCode", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Address, Postal Zip Code", "documentation": "Code for the postal or zip code" } } }, "auth_ref": [] }, "dei_EntityAddressStateOrProvince": { "xbrltype": "stateOrProvinceItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressStateOrProvince", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Address, State or Province", "documentation": "Name of the state or province." } } }, "auth_ref": [] }, "dei_EntityCentralIndexKey": { "xbrltype": "centralIndexKeyItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCentralIndexKey", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Central Index Key", "documentation": "A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK." } } }, "auth_ref": ["r828"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": ["r828"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Securities Act File Number", "documentation": "Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth_ref": [] }, "dei_EntityFilerCategory": { "xbrltype": "filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Filer Category", "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": ["r828"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Incorporation, State or Country Code", "documentation": "Two-character EDGAR code representing the state or country of incorporation." } } }, "auth_ref": [] }, "dei_EntityInteractiveDataCurrent": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInteractiveDataCurrent", "presentation": ["http://www.veeco.com/role/DocumentDocumentAndEntityInformation"] }, "lang": { "en-us": { "role": { "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant 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Identification Number (EIN), is a unique 9-digit value assigned by the IRS." } } }, "auth_ref": ["r828"] }, "veco_EpiluvacAbMember": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "EpiluvacAbMember", "presentation": ["http://www.veeco.com/role/DisclosureBusinessCombinationConsiderationDetails"] }, "lang": { "en-us": { "role": { "documentation": "Represents the information pertaining to Epiluvac AB.", "label": "Epiluvac AB [Member]", "terseLabel": "Epiluvac AB" } } }, "auth_ref": [] }, "ecd_EqtyAwrdsAdjFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"] }, "lang": { "en-us": { "role": { "label": "Equity Awards Adjustments, Footnote [Text Block]", "terseLabel": "Equity Awards Adjustments, Footnote" } } }, "auth_ref": ["r867"] }, "ecd_EqtyAwrdsAdjsExclgValRprtdInSummaryCompstnTblMember": { "xbrltype": 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["http://xbrl.sec.gov/ecd/role/PvpDisclosure"] }, "lang": { "en-us": { "role": { "label": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member]", "terseLabel": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table" } } }, "auth_ref": ["r908"] }, "us-gaap_EquityComponentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityComponentDomain", "presentation": ["http://www.veeco.com/role/DisclosureEquityAciRollforwardDetails", "http://www.veeco.com/role/DisclosureEquityStatementOfStockholdersEquityDetails"] }, "lang": { "en-us": { "role": { "label": "Equity Component [Domain]", "documentation": "Components of equity are the parts of the total Equity balance including that which is allocated to common, preferred, treasury stock, retained earnings, etc." } } }, "auth_ref": ["r13", "r16", "r173", "r174", "r175", "r195", "r196", "r197", "r199", "r204", "r206", "r208", "r233", "r295", "r296", "r326", "r387", "r463", "r464", "r470", "r471", "r472", "r474", "r481", "r482", "r490", "r491", "r492", "r493", "r494", "r495", "r498", "r515", "r516", "r517", "r518", "r519", "r520", "r524", "r525", "r537", "r625", "r642", "r643", "r644", "r653", "r706"] }, "ecd_EquityValuationAssumptionDifferenceFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EquityValuationAssumptionDifferenceFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"] }, "lang": { "en-us": { "role": { "label": "Equity Valuation Assumption Difference, Footnote [Text Block]", "terseLabel": "Equity Valuation Assumption Difference, Footnote" } } }, "auth_ref": ["r877"] }, "ecd_ErrCompAnalysisTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompAnalysisTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"] }, "lang": { "en-us": { 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"auth_ref": ["r41"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]", "terseLabel": "Major categories of assets and liabilities measured on a recurring basis, at fair value", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to

the table." } } }, "auth_ref": ["r502", "r503", "r510", "r785"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Fair Value, Recurring and Nonrecurring [Table]", "documentation": "Disclosure of information about asset and liability measured at fair value on recurring and nonrecurring basis." } } }, "auth_ref": ["r502", "r503", "r510", "r785"] }, "veco_FairValueAssetsLevel1ToLevel2TransfersAmount1": { "xbrltype": "monetaryItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "FairValueAssetsLevel1ToLevel2TransfersAmount1", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "documentation": "Amount of transfers of assets measured on a recurring basis out of Level 1 of the fair value hierarchy into Level 2.", "label": "Fair Value, Assets, Level 1 to Level 2 Transfers, Amount 1", "terseLabel": "Transfer of assets from Level 1 to Level 2" } } }, "auth_ref": [] }, "veco_FairValueAssetsLevel2ToLevel1TransfersAmount1": { "xbrltype": "monetaryItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "FairValueAssetsLevel2ToLevel1TransfersAmount1", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "documentation": "Amount of transfers of assets measured on a recurring basis out of Level 2 of the fair value hierarchy into Level 1.", "label": "Fair Value, Assets, Level 2 to Level 1 Transfers, Amount 1", "terseLabel": "Transfer of assets from Level 2 to Level 1" } } }, "auth_ref": [] }, "us-gaap_FairValueAssetsMeasuredOnRecurringBasisTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsMeasuredOnRecurringBasisTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureAssetsTables"] }, "lang": { "en-us": { "role": { "label": "Fair Value, Assets Measured on Recurring Basis [Table Text Block]", "terseLabel": "Schedule of portion of Veeco's assets (excluding cash balances) that are measured at fair value on a recurring basis", "documentation": "Tabular disclosure of assets, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, by class that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth_ref": ["r988", "r989"] }, "us-gaap_FairValueByFairValueHierarchyLevelAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueByFairValueHierarchyLevelAxis", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Fair Value Hierarchy and NAV [Axis]", "documentation": "Information by level within fair value hierarchy and fair value measured at net asset value per share as practical expedient." } } }, "auth_ref": ["r361", "r405", "r406", "r407", "r408", "r409", "r410", "r501", "r503", "r504", "r505", "r506", "r509", "r510", "r512", "r541", "r542", "r543", "r767", "r768", "r774", "r775", "r776", "r785", "r789"] }, "us-gaap_FairValueByMeasurementFrequencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueByMeasurementFrequencyAxis", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Measurement Frequency [Axis]", "documentation": "Information by measurement frequency." } } }, "auth_ref": ["r502", "r503", "r504", "r506", "r785", "r991", "r1002"] }, "us-gaap_FairValueInputsLevel1Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel1Member", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Fair Value, Inputs, Level 1 [Member]", "terseLabel": "Level 1", "documentation": "Quoted prices in active markets for identical assets or liabilities that the reporting entity can access at the measurement date." } } }, "auth_ref": ["r361", "r405", "r410", "r503", "r510", "r541", "r774", "r775", "r776", "r785"] }, "us-gaap_FairValueInputsLevel2Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel2Member", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Fair Value, Inputs, Level 2 [Member]", "terseLabel": "Level 2", "documentation": "Inputs other than quoted prices included within level 1 that are observable for an asset or liability, either directly or indirectly, including, but not limited to, quoted prices for similar assets or liabilities in active markets, or quoted prices for identical or similar assets or liabilities in inactive markets." } } }, "auth_ref": ["r361", "r405", "r410", "r503", "r504", "r505", "r506", "r509", "r510", "r512", "r541", "r542", "r543", "r767", "r768", "r774", "r775", "r776", "r785"] }, "us-gaap_FairValueMeasurementFrequencyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementFrequencyDomain", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Measurement Frequency [Domain]", "documentation": "Measurement frequency." } } }, "auth_ref": ["r502", "r503", "r504", "r506", "r785", "r991", "r1002"] }, "us-gaap_FairValueMeasurementsFairValueHierarchyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementsFairValueHierarchyDomain", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Fair Value Hierarchy and NAV [Domain]", "documentation": "Categories used to prioritize the inputs to valuation techniques to measure fair value." } } }, "auth_ref": ["r361", "r405", "r406", "r407", "r408", "r409", "r410", "r501", "r503", "r504", "r505", "r506", "r509", "r510", "r512", "r541", "r542", "r543", "r767", "r768", "r774", "r775", "r776", "r785", "r789"] }, "us-gaap_FairValueMeasurementsRecurringMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementsRecurringMember", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Fair Value, Recurring [Member]", "terseLabel": "Measured on a recurring basis", "documentation": "Frequent fair value measurement. Includes, but is not limited to, fair value adjustment for impairment of asset, liability or equity, frequently measured at fair value." } } }, "auth_ref": ["r785", "r988", "r989", "r990", "r991", "r992", "r1002"] }, "us-gaap_FinancialInstrumentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancialInstrumentAxis", "presentation": ["http://www.veeco.com/role/DisclosureAssetsAvailableForSaleSecuritiesDetails", "http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] }, "lang": { "en-us": { "role": { "label": "Financial Instrument [Axis]", "documentation": "Information by type of financial instrument." } } }, "auth_ref": ["r264", "r265", "r266", "r267", "r268", "r269", "r270", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r280", "r281", "r282", "r283", "r284", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293", "r298", "r299", "r301", "r302", "r303", "r305", "r307", "r308", "r369", "r385", 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Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach).", "label": "Lessee, Operating Lease, Liability, to be Paid, after Year Four", "terseLabel": "Thereafter" } } }, "auth_ref": " " }, "us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityUndiscountedExcessAmount", "crdr": "credit", "presentation": "http://www.veeco.com/role/DisclosureCommitmentsAndContingenciesMinimumLeaseCommitmentsDetails", "lang": { "en-us": { "role": { "label": "Lessee, Operating Lease, Liability, Undiscounted Excess Amount", "negatedLabel": "Less: Imputed interest", "documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease." } } }, "auth_ref": "r1010" } }, "us-gaap_LesseeOperatingLeaseRenewalTerm": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseRenewalTerm", "presentation": "http://www.veeco.com/role/DisclosureCommitmentsAndContingenciesLeaseTermsDetails", "lang": { "en-us": { "role": { "label": "Lessee, Operating Lease, Renewal Term", "terseLabel": "Lease renewal term", "documentation": "Term of lessee's operating lease renewal, in PnYnMnDtnHmMns format, for example, 'PIY5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": "r1010" } }, "us-gaap_Liabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Liabilities", "crdr": "credit", "presentation": "http://www.veeco.com/role/StatementConsolidatedBalanceSheets", "lang": { "en-us": { "role": { "label": "Liabilities", "totalLabel": "Total liabilities", "documentation": "Amount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others." } } }, "auth_ref": "r16", "r65", "r66", "r67", "r71", "r72", "r73", "r74", "r192", "r294", "r344", "r345", "r346", "r347", "r348", "r349", "r350", "r351", "r352", "r485", "r488", "r489", "r514", "r667", "r752", "r826", "r979", "r1012", "r1013" } }, "us-gaap_LiabilitiesAndStockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAndStockholdersEquity", "crdr": "credit", "presentation": "http://www.veeco.com/role/StatementConsolidatedBalanceSheets", "lang": { "en-us": { "role": { "label": "Liabilities and stockholders' equity", "documentation": "Amount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any." } } }, "auth_ref": "r81", "r125", "r619", "r799", "r931", "r953", "r1003" } }, "us-gaap_LiabilitiesAndStockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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Contingent Increase, Additional Borrowing Capacity", "terseLabel": "Additional increase in borrowing subject to certain conditions" } } }, "auth_ref": " " }, "veco_LineOfCreditFacilityContingentIncreaseAdditionalBorrowingCapacityAmountOfIncrease": { "xbrltype": "monetaryItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "LineOfCreditFacilityContingentIncreaseAdditionalBorrowingCapacityAmountOfIncrease", "crdr": "credit", "presentation": "http://www.veeco.com/role/DisclosureLiabilitiesRevolvingCreditFacilityDetails", "lang": { "en-us": { "role": { "documentation": "The amount of increase in borrowing capacity available due to entity obtaining commitments from existing banks or new banks to provide such increased commitment amount.", "label": "Line of Credit Facility, Contingent Increase, Additional Borrowing Capacity, Amount of Increase", "terseLabel": "Amount of increase in borrowing capacity" } } }, "auth_ref": " " }, "us-gaap_LineOfCreditFacilityMaximumAmountOutstandingDuringPeriod": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityMaximumAmountOutstandingDuringPeriod", "crdr": "credit", "presentation": "http://www.veeco.com/role/DisclosureLiabilitiesRevolvingCreditFacilityDetails", "lang": { "en-us": { "role": { "label": "Line of Credit Facility, Maximum Amount Outstanding During Period", "terseLabel": "Outstanding amount", "documentation": "Maximum amount borrowed under the credit facility at any time during the period." } } }, "auth_ref": " " }, "us-gaap_LineOfCreditFacilityMaximumBorrowingCapacity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityMaximumBorrowingCapacity", "crdr": "credit", "presentation": "http://www.veeco.com/role/DisclosureLiabilitiesRevolvingCreditFacilityDetails", "lang": { "en-us": { "role": { "label": "Line of Credit Facility, Maximum Borrowing Capacity", "terseLabel": "Borrowing capacity", "documentation": "Maximum borrowing capacity under the credit facility without consideration of any current restrictions on the amount that could be borrowed or the amounts currently outstanding under the facility." } } }, "auth_ref": "r64", "r70" } }, "us-gaap_LineOfCreditFacilityRemainingBorrowingCapacity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityRemainingBorrowingCapacity", "crdr": "credit", "presentation": "http://www.veeco.com/role/DisclosureCommitmentsAndContingenciesPurchaseCommitmentsAndBankGuaranteesDetails", "lang": { "en-us": { "role": { "label": "Line of Credit Facility, Remaining Borrowing Capacity", "verboseLabel": "Unused bank guarantees and letters of credit", "documentation": "Amount of borrowing capacity currently available under the credit facility (current borrowing capacity less the amount of borrowings outstanding).", "label": "Line of Credit Facility, Unused Capacity, Commitment Fee Percentage", "terseLabel": "Unused commitment fee percentage (as a percent)", "documentation": "The fee, expressed as a percentage of the line of credit facility, for available but unused credit capacity under the credit facility." } } }, "auth_ref": " " }, "dei_LocalPhoneNumber": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "LocalPhoneNumber", "presentation": "http://www.veeco.com/role/DocumentDocumentAndEntityInformation", "lang": { "en-us": { "role": { "label": "Local Phone Number", "documentation": "Local phone number for entity." } } }, "auth_ref": " " }, "us-gaap_LongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebt", "crdr": "credit", "presentation": "http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesCarryingValueDetails", "lang": { "en-us": { "role": { "label": "Long-Term Debt", "totalLabel": "Net carrying value", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt. Excludes lease obligation." } } }, "auth_ref": "r16", "r124", "r360", "r371", "r767", "r768", "r796", "r1022" } }, "us-gaap_LongTermDebtCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtCurrent", "crdr": "credit", "presentation": "http://www.veeco.com/role/StatementConsolidatedBalanceSheets", "lang": { "en-us": { "role": { "label": "Long-Term Debt, Current Maturities", "terseLabel": "Current portion of long-term debt", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as current. Excludes lease obligation." } } }, "auth_ref": "r157" } }, "us-gaap_LongTermDebtNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtNoncurrent", "crdr": "credit", "presentation": "http://www.veeco.com/role/StatementConsolidatedBalanceSheets", "lang": { "en-us": { "role": { "label": "Long-Term Debt, Excluding Current Maturities", "terseLabel": "Long-term debt", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation." } } }, "auth_ref": "r158" } }, "us-gaap_MachineryAndEquipmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MachineryAndEquipmentMember", "presentation": "http://www.veeco.com/role/DisclosureAssetsPropertyPlantAndEquipmentDetails", "lang": { "en-us": { "role": { "label": "Machinery and Equipment [Member]", "terseLabel": "Machinery and equipment", "documentation": "Tangible personal property used to produce goods and services, including, but is not limited to, tools, dies and molds, computer and office equipment." } } }, "auth_ref": " " }, "srt_MaximumMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MaximumMember", "presentation": "http://www.veeco.com/role/DisclosureLiabilitiesPerformanceObligationsTimingDetails", "http://www.veeco.com/role/DisclosureLiabilitiesRevolvingCreditFacilityDetails", "http://www.veeco.com/role/DisclosureShareBasedCompensationRecognizedShareBasedCompensationDetails", "lang": { "en-us": { "role": { "label": "Maximum [Member]", "terseLabel": "Maximum" } } }, "auth_ref": "r332", "r333", "r334", "r335", "r411", "r449", "r506", "r569", "r638", "r640", "r648", "r659", "r660", "r711", "r713", "r715", "r716", "r722", "r736", "r737", "r762", "r771", "r779", "r789", "r790", "r794", "r795", "r810", "r981", "r1014", "r1015", "r1016", "r1017", "r1018", "r1019" } }, "ecd_MeasureAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "MeasureAxis", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": { "en-us": { "role": { "label": "Measure [Axis]", "terseLabel": "Measure" } } }, "auth_ref": "r875" } }, "ecd_MeasureName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "MeasureName", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": { "en-us": { "role": { "label": "Measure Name", "terseLabel": "Name" } } }, "auth_ref": "r875" } }, "veco_MedicalAndDentalBenefitLiabilitiesNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "MedicalAndDentalBenefitLiabilitiesNoncurrent", "crdr": "credit", "presentation": "http://www.veeco.com/role/DisclosureLiabilitiesOtherLiabilitiesDetails", "lang": { "en-us": { "role": { "documentation": "Amount of liabilities for medical and dental benefits classified as other, due after one year or the normal operating cycle, if longer", "label": "Medical and Dental Benefit Liabilities, Noncurrent", "terseLabel": "Medical and dental benefits" } } }, "auth_ref": " " }, "srt_MinimumMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MinimumMember", "presentation": "http://www.veeco.com/role/DisclosureLiabilitiesPerformanceObligationsTimingDetails", "http://www.veeco.com/role/DisclosureLiabilitiesRevolvingCreditFacilityDetails", "http://www.veeco.com/role/DisclosureShareBasedCompensationRecognizedShareBasedCompensationDetails", "lang": { "en-us": { "role": { "label": "Minimum [Member]", "terseLabel": "Minimum" } } }, "auth_ref": "r332", "r333", "r334", "r335", "r411", "r449", "r506", "r569", "r638", "r640", "r648", "r659", "r660", "r711", "r713", "r715", "r716", "r722", "r736", "r737", "r762", "r771", "r779", "r789", "r790", "r794", "r810", "r981", "r1014", "r1015", "r1016", "r1017", "r1018", "r1019" } }, "ecd_MnpiDiscTimedForCompValFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "MnpiDiscTimedForCompValFlag", "presentation": "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "lang": { "en-us": { "role": { "label": "MNPI Disclosure Timed for Compensation Value [Flag]", "terseLabel": "MNPI Disclosure Timed for Compensation Value" } } }, "auth_ref": "r894" } }, "us-gaap_MoneyMarketFundsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MoneyMarketFundsMember", "presentation": "http://www.veeco.com/role/DisclosureAssetsFairValueDetails", "lang": { "en-us": { "role": { "label": "Money Market Funds [Member]", "terseLabel": "Money market cash", "documentation": "Fund that invests in short-term money-market instruments, for example, but not limited to, commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit, and other highly liquid securities." } } }, "auth_ref": "r984" } }, "us-gaap_MovementInDeferredRevenueRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MovementInDeferredRevenueRollForward", "presentation": "http://www.veeco.com/role/DisclosureLiabilitiesContractLiabilitiesDetails", "lang": { "en-us": { "role": { "label": "Movement in Deferred Revenue [Roll Forward]", "terseLabel": "Changes in deferred revenue", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": " " }, "ecd_MtrlTermsOfTrdArrTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "MtrlTermsOfTrdArrTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements", "lang": { "en-us": { "role": { "label": "Material Terms of Trading Arrangement [Text Block]", "terseLabel": "Material Terms of Trading Arrangement" } } }, "auth_ref": "r902" } }, "ecd_NamedExecutiveOfficersFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NamedExecutiveOfficersFnTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "lang": { "en-us": { "role": { "label": "Named Executive Officers, Footnote [Text Block]", "terseLabel": "Named Executive Officers, Footnote" } } }, "auth_ref": "r876" } }, 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operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } }, "auth_ref": ["r186"] }, "us-gaap NetCashProvidedByUsedInFinancingActivitiesContinuingOperationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivitiesContinuingOperationsAbstract", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Net Cash Provided by (Used in) Financing Activities, Continuing Operations [Abstract]", "terseLabel": "Cash Flows from Financing Activities" } } }, "auth_ref": [] }, "us-gaap NetCashProvidedByUsedInInvestingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivities", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Net Cash Provided by (Used in) Investing Activities", "totalLabel": "Net cash provided by (used in) investing activities", "documentation": "Amount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets." } } }, "auth_ref": ["r186"] }, "us-gaap NetCashProvidedByUsedInInvestingActivitiesContinuingOperationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivitiesContinuingOperationsAbstract", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Net Cash Provided by (Used in) Investing Activities, Continuing Operations [Abstract]", "terseLabel": "Cash Flows from Investing Activities" } } }, "auth_ref": [] }, "us-gaap NetCashProvidedByUsedInOperatingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivities", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Net Cash Provided by (Used in) Operating Activities", "totalLabel": "Net cash provided by (used in) operating activities", "documentation": "Amount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities." } } }, "auth_ref": ["r100", "r101", "r102"] }, "us-gaap NetCashProvidedByUsedInOperatingActivitiesContinuingOperationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivitiesContinuingOperationsAbstract", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Net Cash Provided by (Used in) Operating Activities, Continuing Operations [Abstract]", "terseLabel": "Cash Flows from Operating Activities" } } }, "auth_ref": [] }, "us-gaap NetIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLoss", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureEquityStatementOfStockholdersEquityDetails", "http://www.veeco.com/role/StatementConsolidatedStatementsOfComprehensiveIncome", "http://www.veeco.com/role/StatementConsolidatedStatementsOfOperations", "http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "totalLabel": "Net income (loss)", "verboseLabel": "Net income (loss)", "label": "Net Income (Loss)", "terseLabel": "Net Income (Loss)", "documentation": "The portion of profit or loss for the period, net of income taxes, which is attributable to the parent." } } }, "auth_ref": ["r93", "r102", "r127", "r147", "r168", "r171", "r175", "r192", "r198", "r200", "r201", "r202", "r203", "r204", "r207", "r208", "r223", "r294", "r344", "r345", "r346", "r347", "r348", "r349", "r350", "r351", "r352", "r473", "r482", "r500", "r514", "r624", "r688", "r704", "r705", "r824", "r797"] }, "veco NetIncomeLossAvailableToCommonStockholdersAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "NetIncomeLossAvailableToCommonStockholdersAbstract", "presentation": ["http://www.veeco.com/role/DisclosureIncomePerCommonShareBasicAndDilutedDetails"], "lang": { "en-us": { "role": { "documentation": "No definition available.", "label": "Net Income (Loss) Available to Common Stockholders [Abstract]", "terseLabel": "Numerator:" } } }, "auth_ref": [] }, "us-gaap NetIncomeLossAvailableToCommonStockholdersBasic": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLossAvailableToCommonStockholdersBasic", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureIncomePerCommonShareBasicAndDilutedDetails"], "lang": { "en-us": { "role": { "label": "Net Income (Loss) Available to Common Stockholders, Basic", "verboseLabel": "Net income (loss)", "documentation": "Amount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders." } } }, "auth_ref": ["r179", "r200", "r201", "r202", "r203", "r210", "r211", "r224", "r227", "r482"] }, "us-gaap NetIncomeLossAvailableToCommonStockholdersDiluted": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLossAvailableToCommonStockholdersDiluted", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureIncomePerCommonShareBasicAndDilutedDetails"], "lang": { "en-us": { "role": { "label": "Net Income (Loss) Available to Common Stockholders, Diluted", "totalLabel": "Net income (loss) available to common shareholders", "documentation": "Amount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities, and addition from assumption of issuance of common shares for dilutive potential common shares; of income (loss) available to common shareholders." } } }, "auth_ref": ["r179", "r212", "r217", "r218", "r219", "r220", "r224", "r227"] }, "us-gaap NewAccountingPronouncementsPolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NewAccountingPronouncementsPolicyPolicyTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureBasisOfPresentationPolicies"], "lang": { "en-us": { "role": { "label": "New Accounting Pronouncements, Policy [Policy Text Block]", "terseLabel": "Recent Accounting Standards Not Yet Adopted", "documentation": "Disclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact." } } }, "auth_ref": [] }, "veco NonCashInterestExpenseAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "NonCashInterestExpenseAbstract", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesConvertibleSeniorNotesInterestExpenseDetails"], "lang": { "en-us": { "role": { "documentation": "No definition available.", "label": "Non-Cash Interest Expense", "terseLabel": "Non-Cash Interest Expense" } } }, "auth_ref": [] }, "veco NonCashOperatingAndFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "NonCashOperatingAndFinancingActivitiesAbstract", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "documentation": "No definition available.", "label": "Non Cash Operating and Financing Activities [Abstract]", "verboseLabel": "Non-cash activities" } } }, "auth_ref": [] }, "ecd NonGaapMeasureDescriptionTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonGaapMeasureDescriptionTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Non-GAAP Measure Description [Text Block]", "terseLabel": "Non-GAAP Measure Description" } } }, "auth_ref": ["r875"] }, "ecd NonNeosMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonNeosMember", "presentation": ["http://xbrl.sec.gov/ecd/role/ExtCompDisclosure"], "lang": { "en-us": { "role": { "label": "Non-NEOs [Member]", "terseLabel": "Non-NEOs" } } }, "auth_ref": ["r839", "r849", "r859", "r883", "r891"] }, "ecd NonPeoNeoAvgCompActuallyPaidAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoAvgCompActuallyPaidAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Non-PEO NEO Average Compensation Actually Paid Amount", "terseLabel": "Non-PEO NEO Average Compensation Actually Paid Amount" } } }, "auth_ref": ["r866"] }, "ecd NonPeoNeoAvgTotalCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoAvgTotalCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Non-PEO NEO Average Total Compensation Amount", "terseLabel": "Non-PEO NEO Average Total Compensation Amount" } } }, "auth_ref": ["r865"] }, "ecd NonPeoNeoMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Non-PEO NEO [Member]", "terseLabel": "Non-PEO NEO" } } }, "auth_ref": ["r883"] }, "ecd NonRule10b51ArrAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonRule10b51ArrAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "Non-Rule 10b5-1 Arrangement Adopted [Flag]", "terseLabel": "Non-Rule 10b5-1 Arrangement Adopted" } } }, "auth_ref": ["r902"] }, "ecd NonRule10b51ArrTrmndFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonRule10b51ArrTrmndFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "Non-Rule 10b5-1 Arrangement Terminated [Flag]", "terseLabel": "Non-Rule 10b5-1 Arrangement Terminated" } } }, "auth_ref": ["r902"] }, "us-gaap NumberOfOperatingSegments": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NumberOfOperatingSegments", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"], "lang": { "en-us": { "role": { "label": "Number of Operating Segments", "terseLabel": "Number of operating segments", "documentation": "Number of operating segments. An operating segment is a component of an enterprise: (a) that engages in business activities from which it may earn revenues and incur expenses (including revenues and expenses relating to transactions with other components of the same enterprise), (b) whose operating results are regularly reviewed by the enterprise's chief operating decision maker to make decisions about resources to be allocated to the segment and assess its performance, and (c) for which discrete financial information is available. An operating segment may engage in business activities for which it has yet to earn revenues, for example, start-up operations may be operating segments before earning revenues." } } }, "auth_ref": ["r758", "r939"] }, "us-gaap NumberOfReportableSegments": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NumberOfReportableSegments", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"], "lang": { "en-us": { "role": { "label": "Number of Reportable Segments", "terseLabel": "Number of reportable segments", "documentation": "Number of segments reported by the entity. A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements." } } }, "auth_ref": ["r754", "r761", "r939"] }, "veco NumberOfSalesMarkets": { "xbrltype": "integerItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "NumberOfSalesMarkets", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"], "lang": { "en-us": { "role": { "documentation": "Represents the number of primary or end-markets the entity sells into.", "label": "Number of Sales Markets", "terseLabel": "Number of end-markets" } } }, "auth_ref": [] }, "us-gaap OperatingExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-g

"Indicates line item in statement of financial position that includes current operating lease liability." } } }, "auth_ref": ["r528"] }, "us-gaap_OperatingLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityNoncurrent", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureCommitmentsAndContingenciesMinimumLeaseCommitmentsDetails"] }, "http://www.veeco.com/role/StatementConsolidatedBalanceSheets": { "lang": { "en-us": { "role": { "label": "Operating Lease, Liability, Noncurrent", "terseLabel": "Long-term operating lease liabilities", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent." } } }, "auth_ref": ["r527"] }, "us-gaap_OperatingLeaseLiabilityStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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payments to bring another asset to condition and location necessary for its intended use." } } }, "auth_ref": ["r529", "r532"] }, "us-gaap_OperatingLeaseRightOfUseAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseRightOfUseAsset", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheets"] }, "lang": { "en-us": { "role": { "label": "Operating Lease, Right-of-Use Asset", "terseLabel": "Operating lease right-of-use assets", "documentation": "Amount of lessee's right to use underlying asset under operating lease." } } }, "auth_ref": ["r526"] }, "us-gaap_OperatingLeaseWeightedAverageRemainingLeaseTerm1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseWeightedAverageRemainingLeaseTerm1", "presentation": ["http://www.veeco.com/role/DisclosureCommitmentsAndContingenciesLeaseTermsDetails"] }, "lang": { "en-us": { "role": { "label": 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The cash portion only of the acquisition price." } } } , "auth ref": ["r22", "r477"] } , "us-gaap_PaymentsToAcquireBusinessesNetOfCashAcquired": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquireBusinessesNetOfCashAcquired", "crdr": "credit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"] , "lang": { "en-us": { "role": { "label": "Payments to Acquire Businesses, Net of Cash Acquired", "negatedLabel": "Acquisition of businesses, net of cash acquired", "documentation": "The cash outflow associated with the acquisition of a business, net of the cash acquired from the purchase." } } } , "auth ref": ["r22"] } , "us-gaap_PaymentsToAcquirePropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquirePropertyPlantAndEquipment", "crdr": "credit", "presentation": 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Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity." } } } , "auth ref": ["r75", "r615", "r799"] } , "us-gaap_PrepaidExpenseAndOtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseAndOtherAssetsCurrent", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheets"] , "lang": { "en-us": { "role": { "label": "Prepaid Expense and Other Assets, Current", "terseLabel": "Prepaid expenses and other current assets", "documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer." } } } , "auth ref": ["r922"] } , "us-gaap_PrepaidExpenseAndOtherAssetsCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseAndOtherAssetsCurrentAbstract", "presentation": ["http://www.veeco.com/role/DisclosureAssetsPrepaidExpensesAndOtherCurrentAssetsDetails"] , "lang": { "en-us": { "role": { "label": "Prepaid Expense and Other Assets, Current [Abstract]", "terseLabel": "Prepaid expenses and other current assets" } } } , "auth ref": [] } , "us-gaap_ProceedsFromConvertibleDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromConvertibleDebt", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilities202320252027And2029ConvertibleSeniorNotesDetails"] , "lang": { "en-us": { "role": { "label": "Proceeds from Convertible Debt", "terseLabel": "Proceeds from issuance of Notes, net of issuance cost", "verboseLabel": "Proceeds from issuance of 2029 Notes, net of issuance costs", "documentation": "The cash inflow from the issuance of a long-term debt instrument which can be exchanged for a specified amount of another security, typically the entity's common stock, at the option of the issuer or the holder." } } } , "auth ref": ["r23"] } , "us-gaap_ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlansIncludingStockOptions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlansIncludingStockOptions", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"] , "lang": { "en-us": { "role": { "label": "Proceeds, Issuance of Shares, Share-Based Payment Arrangement, Including Option Exercised", "terseLabel": "Proceeds (net of tax withholdings) from option exercises and employee stock purchase plan", "documentation": "Amount of cash inflow from issuance of shares under share-based payment arrangement. Includes, but is not limited to, option exercised." } } } , "auth ref": ["r15", "r14"] } , "us-gaap_ProceedsFromSaleAndMaturityOfAvailableForSaleSecurities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromSaleAndMaturityOfAvailableForSaleSecurities", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"] , "lang": { "en-us": { "role": { "label": "Proceeds from Sale and Maturity of Debt Securities, Available-for-Sale", "terseLabel": "Proceeds from the sale of investments", "documentation": "Amount of cash inflow from sale, maturity, prepayment and call of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)." } } } , "auth ref": ["r180", "r181", "r946"] } , "us-gaap_ProceedsFromSaleOfProductiveAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromSaleOfProductiveAssets", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"] , "lang": { "en-us": { "role": { "label": "Proceeds from Sale of Productive Assets", "terseLabel": "Proceeds from sale of productive assets", "documentation": "The cash inflow from the sale of property, plant and equipment (capital expenditures), software, and other intangible assets." } } } , "auth ref": ["r97"] } , "srt_ProductOrServiceAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductOrServiceAxis", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"] , "lang": { "en-us": { "role": { "label": "Product and Service [Axis]", "auth ref": ["r255", "r573", "r631", "r632", "r633", "r634", "r635", "r636", "r637", "r740", "r722", "r809", "r810", "r811", "r813", "r815", "r975", "r976", "r982", "r1023", "r1027", "r1028", "r1029", "r1030", "r1031", "r1032", "r1033", "r1034", "r1035", "r1036", "r1037", "r1038", "r1039", "r1040", "r1041", "r1042", "r1043", "r1044", "r1045", "r1046", "r1047", "r1048", "r1049", "r1050", "r1051", "r1052", "r1054", "r1055"] } } } , "us-gaap_ProductWarrantiesDisclosuresAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantiesDisclosuresAbstract", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesWarrantyDetails"] , "lang": { "en-us": { "role": { "label": "Product Warranties Disclosures [Abstract]", "terseLabel": "Warranty" } } } , "auth ref": [] } , "us-gaap_ProductWarrantyAccrual": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrual", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesWarrantyDetails"] , "lang": { "en-us": { "role": { "label": "Standard and Extended Product Warranty Accrual", "periodEndLabel": "Balance, end of the period", "periodStartLabel": "Balance, beginning of the period", "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and payable for estimated claims under standard and extended warranty protection rights granted to customers." } } } , "auth ref": ["r123", "r336", "r338", "r342"] } , "us-gaap_ProductWarrantyAccrualClassifiedCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrualClassifiedCurrent", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesAccruedExpensesAndOtherCurrentLiabilitiesDetails"] , "lang": { "en-us": { "role": { "label": "Product Warranty Accrual, Current", "terseLabel": "Warranty", "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and payable for estimated claims under standard and extended warranty protection rights granted to customers. For classified balance sheets, represents the current portion of the liabilities (due within one year or within the normal operating cycle, if longer)." } } } , "auth ref": ["r66", "r977", "r978"] } , "us-gaap_ProductWarrantyAccrualPayments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrualPayments", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesWarrantyDetails"] , "lang": { "en-us": { "role": { "label": "Standard and Extended Product Warranty Accrual, Decrease for Payments", "negatedLabel": "Consumption of reserves", "documentation": "Amount of decrease in the standard and extended product warranty accrual from payments made in cash or in kind to satisfy claims under the terms of the standard and extended product warranty." } } } , "auth ref": ["r339"] } , "us-gaap_ProductWarrantyAccrualPreexistingIncreaseDecrease": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrualPreexistingIncreaseDecrease", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesWarrantyDetails"] , "lang": { "en-

us": { "role": { "label": "Standard and Extended Product Warranty Accrual, Increase (Decrease) for Preexisting Warranties", "terseLabel": "Changes in estimate", "documentation": "Amount of increase (decrease) in the standard and extended product warranty accrual from changes in estimates attributable to preexisting product warranties." } }, "auth_ref": ["r341"] }, "us-gaap_ProductWarrantyAccrualWarrantiesIssued": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProductWarrantyAccrualWarrantiesIssued", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesWarrantyDetails"] }, "lang": { "en-us": { "role": { "label": "Standard and Extended Product Warranty Accrual, Increase for Warranties Issued", "terseLabel": "Warranties issued", "documentation": "Amount of increase in the standard and extended product warranty accrual from warranties issued." } }, "auth_ref": ["r340"] }, "veco_ProductWarrantyPeriod": { "xbrltype": "durationItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "ProductWarrantyPeriod", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesWarrantyDetails"] }, "lang": { "en-us": { "role": { "label": "Standard and Extended Product Warranty Period", "terseLabel": "Warranty period" } }, "auth_ref": [] }, "srt_ProductsAndServicesDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductsAndServicesDomain", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"] }, "lang": { "en-us": { "role": { "label": "Product and Service [Domain]" } }, "auth_ref": ["r255", "r573", "r631", "r632", "r633", "r634", "r635", "r636", "r637", "r740", "r722", "r809", "r810", "r811", "r813", "r815", "r975", "r976", "r982", "r1023", "r1027", "r1028", "r1029", "r1030", "r1031", "r1032", "r1033", "r1034", "r1035", "r1036", "r1037", "r1038", "r1039", "r1040", "r1041", "r1042", "r1043", "r1044", "r1045", "r1046", "r1047", "r1048", "r1049", "r1050", "r1051", "r1052", "r1054", "r1055"] }, "us-gaap_ProfitLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProfitLoss", "crdr": "credit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"] }, "lang": { "en-us": { "role": { "label": "Net Income (Loss). Including Portion Attributable to Noncontrolling Interest", "terseLabel": "Net income (loss)", "documentation": "The consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest." } }, "auth_ref": ["r147", "r168", "r171", "r185", "r192", "r198", "r204", "r207", "r208", "r294", "r344", "r345", "r346", "r347", "r348", "r349", "r350", "r351", "r352", "r473", "r482", "r483", "r486", "r487", "r500", "r514", "r610", "r623", "r652", "r688", "r704", "r705", "r783", "r784", "r825", "r825", "r79"] }, "us-gaap_PropertyPlantAndEquipmentByTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentByTypeAxis", "presentation": ["http://www.veeco.com/role/DisclosureAssetsPropertyPlantAndEquipmentDetails"] }, "lang": { "en-us": { "role": { "label": "Long-Lived Tangible Asset [Axis]", "documentation": "Information by type of long-lived, physical assets used to produce goods and services and not intended for resale." } }, "auth_ref": ["r10", "r536"] }, "us-gaap_PropertyPlantAndEquipmentGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentGross", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsPropertyPlantAndEquipmentDetails"] }, "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment, Gross", "terseLabel": "Gross property, plant and equipment", "documentation": "Amount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } }, "auth_ref": ["r106", "r152", "r621"] }, "us-gaap_PropertyPlantAndEquipmentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentLineItems", "presentation": ["http://www.veeco.com/role/DisclosureAssetsPropertyPlantAndEquipmentDetails"] }, "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment [Line Items]", "terseLabel": "Property, plant, and equipment", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } }, "auth_ref": ["r536"] }, "us-gaap_PropertyPlantAndEquipmentNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureAssetsPropertyPlantAndEquipmentDetails", "http://www.veeco.com/role/StatementConsolidatedBalanceSheets"] }, "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment, Net", "terseLabel": "Property, plant, and equipment, net", "totalLabel": "Net property, plant, and equipment", "documentation": "Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } }, "auth_ref": ["r10", "r536", "r611", "r621", "r799"] }, "us-gaap_PropertyPlantAndEquipmentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureAssetsTables"] }, "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment [Table Text Block]", "terseLabel": "Schedule of property, plant, and equipment", "documentation": "Tabular disclosure of physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated depreciation." } }, "auth_ref": ["r10"] }, "us-gaap_PropertyPlantAndEquipmentTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTypeDomain", "presentation": ["http://www.veeco.com/role/DisclosureAssetsPropertyPlantAndEquipmentDetails"] }, "lang": { "en-us": { "role": { "label": "Long-Lived Tangible Asset [Domain]", "documentation": "Listing of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. Examples include land, buildings, machinery and equipment, and other types of furniture and equipment including, but not limited to, office equipment, furniture and fixtures, and computer equipment and software." } }, "auth_ref": ["r106", "r536"] }, "us-gaap_ProvisionForDoubtfulAccounts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProvisionForDoubtfulAccounts", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"] }, "lang": { "en-us": { "role": { "label": "Accounts Receivable, Credit Loss Expense (Reversal)", "terseLabel": "Provision for bad debts", "documentation": "Amount of expense (reversal of expense) for expected credit loss on accounts receivable." } }, "auth_ref": ["r178", "r300"] }, "us-gaap_PurchaseObligationFiscalYearMaturityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligationFiscalYearMaturityAbstract", 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"http://www.veeco.com/role/DisclosureShareBasedCompensationRecognizedShareBasedCompensationDetails"] }, "lang": { "en-us": { "role": { "label": "Statistical Measurement [Domain]" } }, "auth_ref": ["r332", "r333", "r334", "r335", "r404", "r411", "r440", "r441", "r442", "r449", "r506", "r544", "r553", "r569", "r638", "r640", "r648", "r659", "r660", "r711", "r713", "r715", "r716", "r722", "r736", "r737", "r762", "r771", "r779", "r789", "r790", "r794", "r795", "r810", "r818", "r973", "r981", "r991", "r1015", "r1016", "r1017", "r1018", "r1019"] }, "veco_ReceivablePurchaseAgreementAmountAvailable": { "xbrltype": "monetaryItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "ReceivablePurchaseAgreementAmountAvailable", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureCommitmentsAndContingenciesReceivablePurchaseAgreementDetails"] }, "lang": { "en-us": { "role": { "documentation": "Amount of trade receivables available to be sold from customers without recourse under the terms of the receivable purchase agreement.", "label": "Receivable Purchase Agreement, Amount Available", "terseLabel": "Amount of trade receivables available to be sold under agreement" } }, "auth_ref": [] }, "veco_ReceivablePurchaseAgreementMaximumAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "ReceivablePurchaseAgreementMaximumAmount", "crdr": "debit", "presentation": ["http://www.veeco.com/role/DisclosureCommitmentsAndContingenciesReceivablePurchaseAgreementDetails"] }, "lang": { "en-us": { "role": { "documentation": "Maximum amount of trade receivables from customers to be sold without recourse under the terms of the receivable purchase agreement.", "label": "Receivable Purchase Agreement, Maximum Amount", "terseLabel": "Maximum amount of trade receivables to be sold under agreement" } }, "auth_ref": [] }, "ecd_RecoveryOfErrCompDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RecoveryOfErrCompDisclosureLineItems", "lang": { "en-us": { "role": { "label": "Recovery of Erroneously Awarded Compensation Disclosure [Line Items]", "terseLabel": "Recovery of Erroneously Awarded Compensation Disclosure" } }, "auth_ref": ["r832", "r842", "r852", "r884"] }, "us-gaap_RepaymentsOfConvertibleDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfConvertibleDebt", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilities202320252027And2029ConvertibleSeniorNotesDetails"] }, "http://www.veeco.com/role/StatementConsolidatedStatementsOfCashFlows"] }, "lang": { "en-us": { "role": { "label": "Repayments of Convertible Debt", "negatedTerseLabel": "Extinguishment of convertible notes", "terseLabel": "Cash paid for repurchase of notes", "documentation": "The cash outflow from the repayment of a long-term debt instrument which can be exchanged for a specified amount of another security, typically the entity's common stock, at the option of the issuer or the holder." } }, "auth_ref": ["r99"] }, "veco_RepaymentsOfUnsecuredDebtShares": { "xbrltype": "sharesItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "RepaymentsOfUnsecuredDebtShares", "presentation": ["http://www.veeco.com/role/DisclosureLiabilities202320252027And2029ConvertibleSeniorNotesDetails"] }, "lang": { "en-us": { "role": { "documentation": "The number of shares of common stock used to repay long-term debt that is not secured by collateral. Excludes repayments of tax exempt unsecured debt.", "label": "Repayments Of Unsecured Debt, Shares", "terseLabel": "Number of shares of common stock used for repurchase of notes" } }, "auth_ref": [] }, "us-gaap_ResearchAndDevelopmentExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpense", "crdr": "debit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedStatementsOfOperations"] }, "lang": { "en-us": { "role": { "label": "Research and Development Expense", "terseLabel": "Research and development", "documentation": "Amount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity." } }, "auth_ref": ["r450", "r738", "r757", "r1020"] }, "us-gaap_ResearchAndDevelopmentExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpenseMember", "presentation": ["http://www.veeco.com/role/DisclosureShareBasedCompensationRecognizedShareBasedCompensationDetails"] }, "lang": { "en-us": { "role": { "label": "Research and Development Expense [Member]", "terseLabel": "Research and development", "documentation": "Primary financial statement caption in which the reported facts about research and development expense have been included." } }, "auth_ref": [] }, "veco_RestOfWorldMember": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "RestOfWorldMember", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"] }, "lang": { "en-us": { "role": { "documentation": "Remaining regions of the world not specifically identified.", "label": "Rest Of World [Member]", "terseLabel": "Rest Of World" } }, "auth_ref": [] }, "ecd_RestatementDateAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDateAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"] }, "lang": { "en-us": { "role": { "label": "Restatement Determination Date [Axis]", "terseLabel": "Restatement Determination Date" } }, "auth_ref": ["r833", "r843", "r853", "r885"] }, "ecd_RestatementDeterminationDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDeterminationDate", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"] }, "lang": { "en-us": { "role": { "label": "Restatement Determination Date", "terseLabel": "Restatement Determination Date" } }, "auth_ref": ["r834", "r844", "r854", "r886"] }, "ecd_RestatementDoesNotRequireRecoveryTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDoesNotRequireRecoveryTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"] }, "lang": { "en-us": { "role": { "label": "Restatement Does Not Require Recovery [Text Block]", "terseLabel": "Restatement does not require recovery" } }, "auth_ref": ["r841", "r851", "r861", "r893"] }, "veco_RestrictedAndPerformanceSharesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "RestrictedAndPerformanceSharesMember", "presentation": ["http://www.veeco.com/role/DisclosureShareBasedCompensationRestrictedSharesAndPerformanceSharesDetails"] }, "lang": { "en-us": { "role": { "documentation": "Represents the information pertaining to restricted and performance shares.", "label": "Restricted And Performance Shares [Member]", "terseLabel": "Non-vested restricted shares and performance shares" } }, "auth_ref": [] }, "us-gaap_RestrictedCashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "presentation": [

"http://www.veeco.com/role/StatementConsolidatedBalanceSheets"] , "lang": { "en-us": { "role": { "label": "Restricted Cash and Cash Equivalents, Current", "terseLabel": "Restricted cash", "documentation": "Amount of cash and cash equivalents restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r25", "r151", "r190"] }, "us-gaap_RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember", "presentation": ["http://www.veeco.com/role/DisclosureAssetsFairValueDetails"] , "lang": { "en-us": { "role": { "label": "Cash and Cash Equivalents [Domain]", "documentation": "Type of cash and cash equivalent. Cash is currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r151"] }, "us-gaap_RestrictedStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockMember", "presentation": ["http://www.veeco.com/role/DisclosureShareBasedCompensationRecognizedShareBasedCompensationDetails"] , "lang": { "en-us": { "role": { "label": "Restricted Stock [Member]", "terseLabel": "Restricted stock", "documentation": "Stock including a provision that prohibits sale or substantive sale of an equity instrument for a specified period of time or until specified performance conditions are met." } } }, "auth_ref": ["r30"] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "presentation": ["http://www.veeco.com/role/StatementConsolidatedBalanceSheets"] , "lang": { "en-us": { "role": { "label": "Retained Earnings (Accumulated Deficit)", "verboseLabel": "Accumulated deficit", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r78", "r115", "r618", "r645", "r647", "r650", "r669", "r799"] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": ["http://www.veeco.com/role/DisclosureEquityStatementOfStockholdersEquityDetails"] , "lang": { "en-us": { "role": { "label": "Retained Earnings [Member]", "terseLabel": "Accumulated Deficit", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r146", "r195", "r196", "r197", "r199", "r204", "r208", "r295", "r296", "r326", "r463", "r464", "r470", "r471", "r472", "r474", "r481", "r482", "r490", "r492", "r493", "r495", "r498", "r524", "r525", "r642", "r644", "r653", "r1057"] }, "us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerIncludingAssessedTax", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"] , "lang": { "en-us": { "role": { "label": "Revenue from Contract with Customer, Including Assessed Tax", "terseLabel": "Net sales", "verboseLabel": "Sales", "documentation": "Amount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise." } } }, "auth_ref": ["r129", "r130", "r232", "r239", "r240", "r248", "r252", "r255", "r257", "r259", "r400", "r401", "r573"] }, "us-gaap_RevenueFromContractWithCustomerPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerPolicyTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureBasisOfPresentationPolicies"] , "lang": { "en-us": { "role": { "label": "Revenue from Contract with Customer [Policy Text Block]", "terseLabel": "Revenue Recognition", "documentation": "Disclosure of accounting policy for revenue from contract with customer." } } }, "auth_ref": ["r145", "r391", "r392", "r393", "r394", "r395", "r396", "r397", "r398", "r399"] }, "us-gaap_RevenuePracticalExpedientIncrementalCostOfObtainingContract": { "xbrltype": "booleanItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenuePracticalExpedientIncrementalCostOfObtainingContract", "presentation": ["http://www.veeco.com/role/DisclosureBasisOfPresentationRevenueRecognitionDetails"] , "lang": { "en-us": { "role": { "label": "Revenue, Practical Expedient, Incremental Cost of Obtaining Contract [true false]", "terseLabel": "Revenue, practical expedient, incremental cost of obtaining contract", "documentation": "Indicates (true false) whether practical expedient was elected to recognize incremental cost of obtaining contract as expense when incurred if amortization period would have been one year or less." } } }, "auth_ref": ["r312", "r399"] }, "us-gaap_RevenuePracticalExpedientRemainingPerformanceObligation": { "xbrltype": "booleanItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenuePracticalExpedientRemainingPerformanceObligation", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesPerformanceObligationsTimingDetails"] , "lang": { "en-us": { "role": { "label": "Revenue, Remaining Performance Obligation, Optional Exemption, Performance Obligation [true false]", "terseLabel": "Revenue, Practical Expedient, Remaining Performance Obligation", "documentation": "Indicates (true false) whether optional exemption was applied not to disclose amount of transaction price allocated to and explanation of expected timing of revenue recognition for remaining performance obligation, when contract has expected duration of one year or less or right to consideration corresponds directly to performance completed." } } }, "auth_ref": ["r390"] }, "us-gaap_RevenueRemainingPerformanceObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligation", "crdr": "credit", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesPerformanceObligationsTimingDetails"] , "lang": { "en-us": { "role": { "label": "Revenue, Remaining Performance Obligation, Amount", "terseLabel": "Remaining performance obligations", "documentation": "Amount of transaction price allocated to performance obligation that has not been recognized as revenue." } } }, "auth_ref": ["r141"] }, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesPerformanceObligationsTimingDetails"] , "lang": { "en-us": { "role": { "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]", "terseLabel": "Performance obligations", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "veco_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionOriginalPeriod": { "xbrltype": "durationItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionOriginalPeriod", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesPerformanceObligationsTimingDetails"] , "lang": { "en-us": { "role": { "documentation": "Period at time of contract origination in which remaining performance obligation is expected to be recognized as revenue, in 'PnYnMnDnHnMnS' format, for example, 'PIY5M13D' represents reported fact of one year, five months, and thirteen days.", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Original Period", "terseLabel": "Performance obligation at time of contract origination" } } }, 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These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r264", "r265", "r266", "r267", "r268", "r269", "r270", "r271", "r272", "r273", "r274", "r275"] }, "us-gaap_ScheduleOfAvailableForSaleSecuritiesReconciliationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAvailableForSaleSecuritiesReconciliationTableTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureAssetsTables"] , "lang": { "en-us": { "role": { "label": "Schedule of Available-for-Sale Securities Reconciliation [Table Text Block]", "terseLabel": "Schedule of amortized cost and fair value of available-for-sale securities", "documentation": "Tabular disclosure of the reconciliation of available-for-sale securities from cost basis to fair value." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfBusinessAcquisitionsByAcquisitionTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfBusinessAcquisitionsByAcquisitionTable", "presentation": ["http://www.veeco.com/role/DisclosureBusinessCombinationConsiderationDetails"] , "lang": { "en-us": { "role": { "label": "Schedule of Business Acquisitions, by Acquisition [Table]", "documentation": "Disclosure of information about business combination. Includes, but is not limited to, recognized asset and liability." } } }, "auth_ref": ["r49", "r50", "r475"] }, "us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock": { "xbrltype":

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Includes, but is not limited to, corresponding line item in financial statement." } } }, "auth_ref": ["r46"] }, "us-gaap_ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationTables"], "lang": { "en-us": { "role": { "label": "Revenue from External Customers by Products and Services [Table Text Block]", "verboseLabel": "Schedule of sales by end-market", "documentation": "Tabular disclosure of entity-wide revenues from external customers for each product or service or each group of similar products or services if the information is not provided as part of the reportable operating segment information." } } }, "auth_ref": ["r37"] }, "veco_ScheduleOfIntangibleAssetsExcludingGoodwillTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.veeco.com/20240930", "localname": "ScheduleOfIntangibleAssetsExcludingGoodwillTableTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureAssetsTables"], "lang": { "en-us": { "role": { "documentation": "Tabular disclosure of assets, excluding financial assets and goodwill, which lack physical substance with a finite life or exist in perpetuity, by major class.", "label": "Schedule of Intangible Assets, Excluding Goodwill [Table Text Block]", "verboseLabel": "Schedule of intangible assets excluding goodwill" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureAssetsTables"], "lang": { "en-us": { "role": { "label": "Schedule of Inventory, Current [Table Text Block]", "terseLabel": "Schedule of inventories", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } }, "auth_ref": ["r17", "r82", "r83", "r84"] }, "us-gaap_ScheduleOfProductWarrantyLiabilityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfProductWarrantyLiabilityTableTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureLiabilitiesTables"], "lang": { "en-us": { "role": { "label": "Schedule of Product Warranty Liability [Table Text Block]", "terseLabel": "Schedule of changes in product warranty reserves", "documentation": "Tabular disclosure of the changes in the guarantor's aggregate product warranty liability, including the beginning balance of the aggregate product warranty liability, the aggregate reductions in that liability for payments made (in cash or in kind) under the warranty, the aggregate changes in the liability for accruals related to product warranties issued during the reporting period, the aggregate changes in the liability for accruals related to preexisting warranties (including adjustments related to changes in estimates), and the ending balance of the aggregate product warranty liability." } } }, "auth_ref": ["r37"] }, "us-gaap_ScheduleOfPropertyPlantAndEquipmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfPropertyPlantAndEquipmentTable", "presentation": ["http://www.veeco.com/role/DisclosureAssetsPropertyPlantAndEquipmentDetails"], "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment [Table]", "documentation": "Disclosure of information about physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated depreciation." } } }, "auth_ref": ["r10", "r536"] }, "us-gaap_ScheduleOfRevenuesFromExternalCustomersAndLongLivedAssetsByGeographicalAreasTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRevenuesFromExternalCustomersAndLongLivedAssetsByGeographicalAreasTableTextBlock", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationTables"], "lang": { "en-us": { "role": { "label": "Schedule of Revenue from External Customers and Long-Lived Assets, by Geographical Areas [Table Text Block]", "terseLabel": "Schedule of sales by geographic region", "documentation": "Tabular disclosure of information concerning material long-lived assets (excluding financial instruments, customer relationships with financial institutions, mortgage and other servicing rights, deferred policy acquisition costs, and deferred taxes assets) located in identified geographic areas and/or the amount of revenue from external customers attributed to that country from which revenue is material. An entity may also provide subtotals of geographic information about groups of countries." } } }, "auth_ref": ["r38", "r88"] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTable", "presentation": ["http://www.veeco.com/role/DisclosureSegmentReportingAndGeographicInformationDetails"], "lang": { "en-us": { "role": { "label": "Schedule of Segment Reporting Information, by Segment [Table]", "documentation": "Disclosure of information about profit (loss) and total assets by reportable segment." } } }, "auth_ref": ["r34", "r35", "r36"] }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": 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Excludes US treasury securities and debt issued by government-sponsored Enterprises (GSEs), for example, but is not limited to, Federal Home Loan Mortgage Corporation (FHLMC or Freddie Mac), Federal National Mortgage Association (FNMA or Fannie Mae), and the Federal Home Loan Bank (FHLB)." } }, "auth_ref": { "r750", "r774", "r1021" } }, "us-gaap": { "role": { "label": "US Treasury Securities Member", "presentation": { "xbrlType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "USTreasurySecuritiesMember", "presentation": { "http://www.veeco.com/role/DisclosureAssetsAvailableForSaleSecuritiesDetails", "http://www.veeco.com/role/DisclosureAssetsFairValueDetails" } } }, "lang": { "en-us": { "role": { "label": "US Treasury Securities [Member]", "terseLabel": "U.S. treasuries", "documentation": "This category includes information about debt securities issued by the United States Department of the Treasury and backed by the United States government. 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M.VE|U|IX|D~L.9:~+A7YXO#1*~3X%|I7=L=G#A|U|U0K0>?/C|O|9#1@|@%#<M|X|K?Q.0%>~|3>L.1.U.FFN%2Z>L.N.*&D6Y1K=@9A#|+I+VU%|M|FHY3\$2|5B.3O2|LEI~URG6-
J>=?|CZ5HKO>27E11W @=-:USO?R11Y*49 M.\$FLARZ|L.^)Z9N|EL|8.(O1+4\$|U@|T5V^:XTF>O:DBOKS/^** 4V\$|I@X MKF|T&6.@|78+#+K."MO /|JEK-TS)-
>#D7|BO2".7|RP|M|M67E96<5U.9.2ET<5ZR MB3*(N>|L.R. SO2U>X6B|M|O|.M|...>C|9R5E2|X|+4~5Z26Q|U|+4~UVK MV>Y@L.KUTK|V8+/*~W7|I|RC<?>
JO.KTH=762Q|KM\$|L?/2K>E?F6|M|L MOQR+>=7%K\$ 283|TS2|LN|Q|1&~Z.O.D|I..>|ZP63CYL|P%|YK|>.Q.TA MZG.E.MQ|&S?>Y@/AD7.X.CC|1=..|P|605|IPA@4|IC>2%~^8"
|I6E&2P0R&I MM|L.4%4D59T.FVY3|8+~1Q>2HBPX|ET@|I|S2IEK4Z>53ET9|DZ2|DZV|VLX M.|&S\$K.HO*BRCC&7~%|H|XZ|Z2|R|A|Y|V|Q|K|RF~R& HZ MB= 83&5~"RS I|9
4|DI|GBQ>C."#<88.42Q(WP|T.L.+>#+G#A|N(DCC.M8.T|T~"SE|&I9D9V22OZ|I|L+U2M=@Z|?Y|O2+?|V4*MC|C5.WSSF.RZ|6TO M2K@OXPSK5|>W7G@C|I.V%
|XSGE&2+KYSY|5JE.J3* MTER94NRW+5+Z.O|>L?~5.B1M*#7F7#ENLA1U"U|J|I|I|U|V|TXM|C|IKV0/4&>S&LW~\$.~@9X% M|BC2T18XF|I|C2H*GKC@940+~#1VAS?
VELT..@Z|WMEC.TYU<..72/58%5 MJ8*BDQ:@44O|IY|IR|9%(#M7.R|I|P+&B.TJ8|61+8Z=UO2.TMH|F|FY|L| MHY6G|BD1A-Z6#?>Q|&B>?>E2.CC.O.1A.XD7D|>|<57|X|
I"U~3|W|FES7B.MYU<~<9 LB0+V6|CUT&@=..C.7V6|U|L|>Y%\$\$. 0+0.Q.BAYR693E28=2|R~M.M#RM|I|X|Q|E3SLP|691?|P7X4~6UORH|G&Y9F~+6+@.I.LP7*AI&B*P5.Q|U|~R
M#60S|G|W|W7M|~R|X|L|U|V|E|L.RC|P030FEZF\$>+>BK=BLW~KM.M.C#N|U~GO|IK&@-OOH|I"VGRN7VD|I|E~>U|I.@&S3.ML|B.NH9E|ACV.KN...Q.XY|J|
S"C.UW7RSG|K|H6XO?4LY.4?2N."|O|I7.M.H%\$L|W*B.B.K."N~85QCN6|U|Y GOI|>+>Z-G|I>+4+~#A2P|D|YAVB|A|IE.M26T|G~.~K|T|E|N|K|N|S|A|Y|T|2|C|XHP|I|I-
+~#V2.G;=P=VS9M+S?~"R|J|@|MIAG2N*~1K77B~M^~|S|=CQ(X&S+X3|A|PV6>YEGH07@^+~#@20001|J|I-GK^K|K|G^G^Zf+U.Y|Y&@1YQZAHQAQABM3@6JG+1 CB-Z M?>
N|OEBXP|Q|.89DAVN=2P+5.S.MTW2(6K~RYN2|A+L.2F.26..MHJSE8.2XD2>O|I73C87Z=O1=I+~OY%=@UG M&5TD:~6T.MNT~9|J.@~V(E*XO&Y>W>D7|O.H|
|SK=J|DVT.6.L|M=+Y+Z~63&~N*~@23B0 M="P@O|TLF.U5DT+5%Y5|J|3H|6<~3%G.P-02P.5%|I.@-L6G3|AREF03@J.%M.4|I.V96+0+3P.COP.3.P7WIR92YX%6SM?
5ESZSB6YGM?C.OY#O.=43? M3&W4DE5~YWO.L7|MB~E5WSD53D.L.BE|I0T;75UP.12%8B6.|S|34U9D1 M2|C.=SYL|P<?>V.CWZV5X7P.OW|S1>~N|J.U.VXZ0
>WVWP|.167V|TW.L.M^~XEL~SR|2.NOZY&W=|Q@~VR.9|A.|&R|&I|T|W|9|31=KXW+|F926N.M77.Y|K|W>|H|S|L?~SW.M|J~7+OX>E7.L.Z|S./8O."PX<~I>N#C.K4W&|RB
M.3+L#|>JZ.^CT.^C2N.Y6Y+N&VS:R|OEM\$S|C|U.1O|YA?23THHNW|~N&9?_MI.MX.N|7W.YY<>?/S_&WLN&N8O3.XY:~^~X&I#5OYBVY~NV.7Z*PZH7M=7.W|C>~29
MVXY%&A~CMW|ZK.F4|2\$S X|I>C/LK~OYVC>B3.O~7>~I90~1~I|L|IOM|C M?~|A|K~&2D.V~8V~&L.T%~2+6+H3|ADDSJ?~6B8*~I|=IRCU>XYE+A%~MKW4+>AU
X.O.8C%4HQ~O|WCF|JQY WS3T~|U|S|Z4V."XAR~|O|Q|6|V|I|K K~M|Q|6GDV|W\$G:G@VP7|/N|HOP.5|P~TL6~7|6|S|D.~I*DW55Q|IOMZ.GFSY M7N
"J>L7+~O|>5B&5G|O38+2<~49N|I|6|=~W<A.E.6XB|T40@F3.P.M~B0~1.N|9>B5|H|OYV7~8F&QO|HZN~F9?HF|X&U|D.F334~1~2UP:~C~1+M3CF~"~M?B *
(O2V|M~I|G#E|OEBF&D|F|H>C|A|I7A05.G.~I\$|<(9.CD.T058|R|J.@WC(B|2G|SMK5=QO3X.Y6|A6D:G|&2Y|2P+M.Q|O|4Y&F?O?|?>K.#+~V|N|BPE2CK9K|P-
G*0D*|BLV|B982BZ&|YB:44A|ELZHS.MN982AF04PQ~MA4\$MDU.E2>0M|W:0\$S.6%A2HB.M|O.SN~I|O.VC:1+~|s)A2MRIH\$M=J.U+PUK<~|37.4|J|H?_INX^#"M8
M@N6|ZV\$O=IXX|.Z^A<~8S.~I+~E52|D1+5|D0W?>~#R%ZEP.RC5E875|I?>|E|T|I2X6.@8E.(I&+3|L>B~6DY2|21B<M7#|SV\$>CPYX|Z9DQ|O1\$|=5FAS
GIU|G.47|T|J|R|O|W|X|N0|177? M8|MY|~"IT4W+BNES|830A~34.S6~ZZ|I|E|E9|EQ|N0N&3B|V~U|C5+3|G.MAL6%2.1P|VVT:8|HOP~F|OQ~>2O|C6M+M0~66Y|FOI&~"88@3.T>
~4|C|M~.F4%U|L.M~I|>@5V%>C|C|F~I|PU|I5Y~|I00N%Q|O&HCU>D:85~4|DZ|E@3|M@|N7I.M~+>Z2|B.NE|B|AT7<|L+S1+~L-SEP>~?|I|J~B= W~Q#00I.O.KM?|L0|TO3O
M=O|J4~W|Z|W7.L.CA~DSD4D|L.H&~8*9H|UO4|W&U|D2F~5SDXZ9M;H.MV~14.M.N(T.I|I|H>G|X9G\$S|P~5DSXHV|L.7~"~#S|X.NT~4YB4\$SNQ>|&|H|T~8~"AGE<K~X?|E|T|O3O
XNE004(N|B70@U|L.M^.|>@N7A6|L5DEA:4.ZO:R%Y7<*~<~BZ2\$Y.M.BZ%|I?C+O|Q|RU|/X<~9_?I|W00-MTE|EOX.K+~|5#|+~Q~DN#U|D|LL.M:\$GZY|I|GH|ED.AY|F~3P5~3
~|M7|J5.3FVZ7|E|I|T|AC2|..~4ON.L.MWO=C8|U|V|<I9UN(4%R:PIA|HOC6|X|&I|P4~|I|O|B|I|~"KT7>L7|I#~QW.L20?7.M~HP&P+H|RE:AS|+~?~5~M|I|U|O|G=V?>@|HT:4\$~HE
M6\$AQ1>DOITE|PHF6|MC&A05C15W|L6>|I|V|I.MT.|D|M@:C|S|3P&6M=12 MP~I\$~1?|U|WU:~X5|6L9~?R~CS4P.4#~>|CP@X9.A@:VZ0WYK|I>~|LOHA.MY|F9?OAE|B=4U:4!<~?>
Z|I3RFBLS~"F|I\$%.PZNF|E|X|I8N7&#&.U70|H2B.M~I~M|A|&5.0~B0.2M~1R|HKA~5~"~#S|Y|A|I|S|N|W~?GATU3QOS%Y5|I?7~R.M~L~1|W|X|M~P@VX\$ZS-
Z.83\$2G~C.OIU98A\$A44~..L~9|2S=>G.FO3BU~^4.MN|U|H8N0~?>3|KQ|Y|X|8|Y0.7P|AN|OR9=~/M|D|M.SM3P|9Z|S|OZ M&L|K4|I0KG= G1#A|L|8H-
_FC(6C~%E6BK\$V|G(S5Q)ZY|8D*F|M@SOY<~^#B>>M.#D6>~@~3G|R|U|B\$6X\$4~4W|F\$.9.29NP>W|N|J.'K2:8G8|2MTPU'\$@D|FEB.M|X|R.ONX~W+BL?>
>3~1.I&J9(NAM3X|HFM@&OOVYU|T|NOF|QSZ|I&?|T|MB2X.M~I\$|O|M|I="P|U\$?~N|U?|S|H|W:~&U+4+~.NPR|7N|K=|>LVO+~H|JDCG:AE.M6J
V0&L.WIUR0(R|H|H|W|C|W|C|A~|~"BX.EJ.XQ=4A\$Q9~35M|G&D|P~X~:E\$|9.M3|Q|IWP|T|9|Z|L|2@X|?&~47~|Z|I|I~O+L+FEK.M.=E0Q~?>2C|B2?~L8W|W|N|NB|I4F96N4P=~/~1|?>
U.LRS+8SU<0=6ZM~0%\$|I?>ZL.P?~I#N~"N|G~%~F|I|N~>@|V.H|4FV|TKW|L+1S~|~6|5|W|L&R.Y7O+D7+Q~|G.M.E\$ES=FS9|L.D|B|Y|F+I%5|R|UQ~P|V|F1+~6
M~OQ|I|L(NQ<+H~N2>T~I~Z.MZGPDE@B\$4U|X|U~>O<|X<~I+T~680Q M~5W|BC=C|I|L=H|RK~H|Y?FZ~PSQO(0~U|Q|B|W|B|Z|A."CXC~%E~M~>|H|HUFK:64 M~I
&OUX~.C#EPIX^9|&4*630T|L:~2V.D.&L6Y%:E@FX|I3HE.X0.C1.M2KPBH|F|=(?7F28)W.P|~8.A03DEQ|E|O|M|S|ZLM23X.K3|>Y0I~*.S|A|Q= M|H|D|9<~&7O|K~\$|8N=|%KS/K-
6|Y|I>O|XNM70~"C|V|Y8X2|DE9U0~>~V7G%#M~M|WKJ>~C|L009M|QK.I+@B|G<~(O5~R~"C~3%|O|WC+Z&S~6|I|TS9|I|&C|N.MP?+TCS0~Z\$M~U.E~E|I|T.YP#|Q|W|X
~@|I|D|3R~|2%|I|G.6B|YD?~S<~I~R2.MNHG?2~C|L|U.O|V|B9A|W|A|W.M.Z.S|I.7~*)Y~V|.(G|K|5~FV05S|U%Z.M~I.78 M|O~>O|I|H|Z|X~>N2~>F|B|M~X+EW|R(R~
|F|QO?37%8BLZ0~@|N~"Z|7D:~T+~W4|9.M~"C~Z~P~D00H|E@B3|O&S:U|W0C+3~Q.U.HB..M|N..~%~&~&B00S|X.83>L~"O|L.M2?~I~"~8|G.
(W~B8+9.603F<+9M|Y|I.9457\$>|I|C|T|G&M.EDNQ.#\$S|N<6|M.T.S~F~?C53H.XO2|I~Y~G~@+~I~G.G~Z2M|P5Y=PU|B~M~*4*1*5|O|L/G~M9Y5|JN~|8|=2.GR|G.2S~V5P*LT\$?
K&L~UR.M|DZ|CU2S<7~B#S\$K~OC9J~.2P+L~"N|I~M=RK.G|H|G0?I2SQ~H~3K.D7+R2U|A|M~G~W~E|I|X.FOZA~C~T|G2U|@K2~F~H~E~G79V|G=TR|I.M.3~4~PR+~\$~+N48%3|~?>
M5S|G|O|P~|UV7+~B|B&A~F.M8H|4S3F@~C~V~E|T~V~Y~*~6?~LFW~O?Z~H~L33DF~|L|.AN|M~U|Z|I.X4C|I~A|RMWY~FD>1~7/2.4P.MBMCZ2CEMU|L2Q5U|L|B55~|+~+LMM~X8?
~|A|VAA@FX9~N~|F#&|+8P.U8.M+M|I|~>D2P~?~>P2\$A~N&S~5R&6D|G|X|AGID.\$|C.Y3XQ|U+3|L\$|A|H:R~E=04I.M~H~\$R~/3W5>|O|X~+WSV~O|U+~B~W.D7>M=|HMD?>
Q~|@~(L~448N|J|@M6~L~M\$T7R|X|A.L.S5|I1+00&N&D|Y7~"~>Y3K~(V79&56|Q|L~"~W.LU~4|A~(4~"M6.S~&AQU~V~JNX3Q0~&MV~UD=Q~J|S23W|P\$G@~?|U|66B&B+O|H0
/L.B3|R~F&K2~K5VR&G~M~4YC6B&G~N~|NH|G|A~O~"NM|D\$K|Y0G|W26B~*7M|8N~|I|S|X.S|I|G~>O|H7~Y0.9~Z~C~#B|I|Z|>(6S&6S?Y.MC&Z3MZ\$~J|HO|P~B~9P2F%|UN
LM~3OD#&T2|G>~&OEE03~A%LZ%U.CG8.M.F>~I&VO>~>J|EE2ONEL~ZVCNN:~X.Z6Z0.XX~B.B|E|K&E|I+2MOX\$~?2+M.P.73<AW&I0\$~D2E4W0C?76Y%YNXO=

[illegible]

[illegible]

[illegible]

22(LA:41754T,51AW*OI 3/WBH@GBS1:=GSSZII@JVLW:5BSN2TO*6F5>H M/*P*T3%ZX+V@K3N4ASPCC8[VR*6AVZ*3])EDIM[3P370Q:VNIX:T9:VR7X9T
MC66VU:5J<2>0CA+&S.Ni*8 6ZT X1GXDIAE MNK&E:N:OIXJ, /-@T/LI*PO5>AZ7&Z%I\$JL2MCO?Y\$E: ? Q=X;@>D-9<D)MBCS /F MOHBR\$S:U6I4R=5*
<#E=NSQDUXH[M8:AX6N2D:1SL21T,CBB>20 /%*XL@ M*W-6L,~>D8+?%TUB9X3,3RT#-2I,+89+343*V*AI 1DAV@31JIG&G M3:YX(PXGCI/J,~NR=+95%CI[R]*LW72S)=9F.
Q:QZKE9UN3T) M9L25FJ12*1#A&:D23373&3XCI+1:HN6*H.AJ*723=(TJC6, M*1:UWV:CYIAM[W]H.5(UACEW4U/-@:T+>N:O5:4#0ICDPC6\$6H>Z> BN^
M:ERN[NSIP]HES[9]OJH5=V(>[O8,LE]~W*NTZ: WOGYSBFNY+XUUV+0+ /W5HP1A?06187,Fp-1S: ~+>2?Z38,, MF@J K9RWRHUV150G24V@ /16[,1%I:XS: CWPGRX16)A?>
=YST>7XKA?PVL>Y(M=M/U1P3, P02:A.98Q020P7%OXOIKK18+==FX(OJ2?>)>2>ZIUUD(ZAIQ:0Y2=T M=750G%81<3:7CIK>S/JS/IX/PC/31T/K6NEAG4YOC*BRV8Z1#O#0: 2%P
IU+2@2 MD7J?>7N4T /E+1#>N(QN, 2Z8G<1/N.F: 3B 1+3W6E?>+>+>74HN/M+VH8CN21#AM>RRJG, LWSORK4.1 M "IJC6"LF2\$S\$GJ,~YJ3 M*%\$AJS/I
IYS06(BPDC<?>9J,FXD+&8339F D,~0 M9C9D, 29:@-TEB2~>=>S8HYIX3,3RT#-2I,+89+343*V*AI 1DAV@31JIG&G M3:YX(PXGCI/J,~NR=+95%CI[R]*LW72S)=9F.
8+>P<@/OF=1<C17T@1#& M7-6-F5F2%VUA*X)6&E(O)1+DBS*XHH, PIL8:~HPSIDH, 5&Q20 VCIG,== M42A1B1)~E=1I=>FITZB?P<92P1R5=4/7~>TEA8J88%\$VISC@M V-(U
M<C/347FY,E.2R0E%FR672&MXM>A1140<5+5A6<~>QOLCEPFG"IL M19T-OHPS,0596?RfV?V421-LH0?~RDDR8%Q@.6PJ1810+&DDJL BAA MB47@E:E,5
DYDYS@U)W9RK(RCQRIQ=>[7(KIKI, HJ13FEF>VJEA MS3,EEF SFOMOUIM*NIQ<@3RA6/D:~1C&STOX8XUMM21720<80(T>+>2+>2
M%>V, 5&8#1M18DGR1.83PGB1<XGKFOA, J, 1D3KJ)<==F.F4RS)&=1V82>/Z M, D, VE3+ZAI31, 0.3%ONV?YJ7I]=H8@HT>=%(G\$AB)*/N42&CFIHSQ?/U4KN:G*SOEZI
4MH7WB:2W(GBP0P05,~J, Q<5)5B6T7L C39=+3+1% V MJ@NC@, MICTNWIT5?9374+TPP,~BDSFUSOLF+>HJ8B1)=>:JH,~G,~H MOE=*<JH,~>,J3V6~.7B/E#%NU-50/
I MG24#FIFZ1)MIZUNBNB184&:4175T2IGCS+>2*~70AV<?> -D32233P"BU M:QENQO(7EE02~*~?2 (M:PB&2((DI1P2)2T)U8YC, O:~7AU+>+92P>+>F:
M+>,2.RX~80Z1?7/HFAEUWUDDP<~P1~4+&K&2-I>V0ZQ50<~*~>NXX M5<14/17I>+> M+>=DFV?R:UG6& X*WJF+>I&N892 M L,R,D,A2?>GJIEJ3GKIZU%#CV3J ?
~IM9A(#0-IJK&:J,~I,~I"0N0+&>K MZP<2~FD064J39R "Q *~4#SQ<EZENAI4P*P*Z6I2&H720R3:0Z57P@ITF MO=ECTT3, K\$W/L@6%6 >A2ISJA2@~>Q:YQ:7QI28I
OH+&85?>D@H@H9#A1 MG\$J2S+>1<A LO,17YU01M*6:6VI4IOE;J2ZJO9B845:~*W>V20.~>,"P9F>2 2 MO1@>S1+&326K1&@J8)6?9I/@E\$S %?ERII, K#D>~<R3%F,~(P9107)\$:3TD
M76W=E/@L0IK<3,8FZL:~>+>~1819P@R?IXI=2L M/NXDEKB1)=>@>=>@<@<6J&SDIV%#LP2147I)=S-OE9>X56U?15Q007?/F(1I MRG1)>I~>B"H MOE=>C*N%K06="=DK?>.%5GN@<
@FEZ0IUV+P%\$21)~ MVIM(J QZ V,~V) 6UVA72>SJIU@<@WOH2F0 Q-PPFUD04/ UNP>E+8G38 MOM4>0ZWU@+UO:Q<@.BYBF&I\$SB)C&UB'D>: /A4Z:787?0G11VW MW=1<:
~\$HMM92J\$ U4G ~Q19Y,JKRKP1 LKJ~7N=600NN,Q:~^IHI~ROO,~?N1~PGO2NIO(SG1@1#3A+> M,~F7I~W1<2B1~"EU/LGFLB47(ZG3D1~S-#19,9E,D)00:~HX~PYPR&K~\$V1
M~M6<5Y%~I,~LPHH8,~TJREY~9%YK8FF5S<Q0TIV)~<@GNX,0=FIN=5 M1B)~3,~14DA1<2+>(D:QTD10>C%#>+>I;D&6,27,VH>A)U1A1U78~\$424G(U
MS:~D@OLR4:1C@XP>57MM6%69%<C~WF1<~8GBJ#B-B>Q\$@0, CUQ(I&6RF&D2WO 2F8VWUR-ZP58FTN9JB#J2PGV:MG9/R@ON MVY&D?GP2D51(14N'G~*)
~<170W+E/@L0IK<3,8FZL:~>+>~1819P@R?IXI=2L M/NXDEKB1)=>@>=>@<@<6J&SDIV%#LP2147I)=S-OE9>X56U?15Q007?/F(1I MRG1)>I~>B"H MOE=>C*N%K06="=DK?>.%5GN@<
@FEZ0IUV+P%\$21)~ MVIM(J QZ V,~V) 6UVA72>SJIU@<@WOH2F0 Q-PPFUD04/ UNP>E+8G38 MOM4>0ZWU@+UO:Q<@.BYBF&I\$SB)C&UB'D>: /A4Z:787?0G11VW MW=1<:
~\$HMM92J\$ U4G ~Q19Y,JKRKP1 LKJ~7N=600NN,Q:~^IHI~ROO,~?N1~PGO2NIO(SG1@1#3A+> M,~F7I~W1<2B1~"EU/LGFLB47(ZG3D1~S-#19,9E,D)00:~HX~PYPR&K~\$V1
M~M6<5Y%~I,~LPHH8,~TJREY~9%YK8FF5S<Q0TIV)~<@GNX,0=FIN=5 M1B)~3,~14DA1<2+>(D:QTD10>C%#>+>I;D&6,27,VH>A)U1A1U78~\$424G(U
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@FEZ0IUV+P%\$21)~ MVIM(J QZ V,~V) 6UVA72>SJIU@<@WOH2F0 Q-PPFUD04/ UNP>E+8G38 MOM4>0ZWU@+UO:Q<@.BYBF&I\$SB)C&UB'D>: /A4Z:787?0G11VW MW=1<:
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[The content of this block is extremely dense and appears to be a corrupted or heavily obfuscated version of a document. It contains numerous non-standard characters, symbols, and fragments of words that are difficult to decipher. The text is presented as a single continuous block.]

[illegible]

[illegible]

[illegible]

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<p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">When there are separate units of accounting, the Company allocates revenue to each performance obligation on a relative stand-alone selling price basis. The stand-alone selling prices are determined based on the prices at which the Company separately sells the systems, upgrades, components, spare parts, installation, maintenance, and service plans. For items that are not sold separately, the Company estimates stand-alone selling prices generally using an expected cost plus margin approach.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Most of the Company's revenue is recognized at a point in time when the performance obligation is satisfied. The Company considers many facts when evaluating each of its sales arrangements to determine the timing of revenue recognition, including its contractual obligations and the nature of the customer's post-delivery acceptance provisions. The Company's system sales arrangements, including certain upgrades, generally include field acceptance provisions that may include functional or mechanical test procedures. For many of these arrangements, a customer source inspection of the system is performed in the Company's facility; test data is sent to the customer documenting that the system is functioning to the agreed-upon specifications prior to delivery; or other quality assurance testing is performed</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">internally to ensure system functionality prior to shipment. Historically, such source inspection or test data replicates the field acceptance provisions that are performed at the customer's site prior to final acceptance of the system. When the Company objectively demonstrates that the criteria specified in the contractual acceptance provisions are achieved prior to delivery either through customer testing or the Company's historical experience of its tools meeting specifications, transfer of control of the product to the customer is considered to have occurred and revenue is recognized upon system delivery since there is no substantive contingency remaining related to the acceptance provisions at that date. For new products, new applications of existing products, or for products with substantive customer acceptance provisions where the Company cannot objectively demonstrate that the criteria specified in the contractual acceptance provisions have been achieved prior to delivery, revenue and the associated costs are deferred. The Company recognizes such revenue and costs upon obtaining objective evidence that the acceptance provisions can be achieved, assuming all other revenue recognition criteria have been met.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">In certain cases the Company's contracts with customers contain a billing retention, which is billed by the Company and payable by the customer when field acceptance provisions are completed. Revenue recognized in advance of the amount that has been billed is recorded as a contract asset on the Consolidated Balance Sheets.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">The Company recognizes revenue related to maintenance and service contracts over time based upon the respective contract term. Installation revenue is recognized over time as the installation services are performed. The Company recognizes revenue from the sales of components, spare parts, and specified service engagements at a point in time, which is typically consistent with the time of delivery in accordance with the terms of the applicable sales arrangement.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">The Company may receive advanced payments on system transactions. The timing of the transfer of goods or services related to the advanced payments is either at the discretion of the customer or generally expected to be within one year from the advanced receipt. As such, the Company does not adjust transaction prices for the time value of money. Incremental direct costs incurred related to the acquisition of a customer contract, such as sales commissions, are expensed as incurred since the expected amortization period is one year or less.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">The Company has elected to treat shipping and handling costs as a fulfillment activity, and the Company includes such costs in cost of sales when the Company recognizes revenue for the related goods. Taxes assessed by governmental authorities that are collected by the Company from a customer are excluded from revenue.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Inventories are stated at the lower of cost or net realizable value, with cost determined on a first-in, first-out basis. Each quarter the Company assesses the valuation and recoverability of all inventories: materials (raw materials, spare parts, and service inventory); work-in-process; finished goods; and evaluation inventory at customer facilities. Obsolete inventory or inventory in excess of management's estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials, and other qualitative factors. Unanticipated changes in demand for the Company's products may require a write down of inventory, which would be reflected in cost of sales in the period the revision is made. Inventory acquired as part of a business combination is recorded at fair value on the date of acquisition.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Recent Accounting Standards Not Yet Adopted</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">In November 2023, the FASB issued ASU 2023-07, "Segment Reporting (Topic 280) – Improvements to Reportable Segment Disclosures". This standard primarily enhances disclosures about significant segment expenses. The standard requires interim and annual disclosure of significant segment expenses that are regularly provided to the chief operating decision-maker ("CODM") and included within the reported measure of a segment's profit or loss, requires interim disclosures about a reportable segment's profit and loss and assets that are currently required annually, requires disclosure of the position and title of the CODM, clarifies circumstances in which an entity can disclose multiple</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Improvements to Income Tax Disclosures (Topic 740)</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">This amendment requires public entities to disclose consistent categories and greater disaggregation of information in the rate reconciliation and for income taxes paid. It also includes certain other amendments to improve the effectiveness of income tax disclosures. This authoritative guidance will be effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is evaluating the effect of this new guidance on its consolidated financial statements.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">The accompanying unaudited Consolidated Financial Statements of Veeco have been prepared in accordance with U.S. GAAP as defined in Financial Accounting Standards Board ("FASB") Accounting Standards Codification 270 for interim financial information and with the instructions to Rule 10-01 of Securities and Exchange Commission Regulation S-X. Accordingly, they do not include all of the information and footnotes required by U.S. GAAP for complete financial statements as the interim information is an update of the information that was presented in Veeco's most recent annual financial statements. For further information, refer to Veeco's Consolidated Financial Statements and Notes thereto included in the Annual Report on Form 10-K for the year ended December 31, 2023 ("2023 Form 10-K"). In the opinion of management, all adjustments considered necessary for a fair presentation have been included. All such adjustments are of a normal, recurring nature.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Veeco reports interim quarters on a 13-week basis ending on the last Sunday of each quarter. The fourth quarter always ends on the last day of the calendar year, December 31. The 2024 interim quarters end on March 31, June 30, and September 29, and the 2023 interim quarters ended on April 2, July 2, and October 1. These interim quarters are reported as March 31, June 30, and September 30 in Veeco's interim consolidated financial statements.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">The preparation of financial statements in conformity with U.S. GAAP requires the Company's management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Although these estimates are based on management's knowledge of current events and actions it may undertake in the future, actual results may differ from these estimates.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Revenue Recognition</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Revenue is recognized upon the transfer of control of the promised product or service to the customer in an amount that reflects the consideration the Company expects to receive in exchange for such product or service. The Company's contracts with customers generally do not contain variable consideration. In the rare instances where variable consideration is included, the Company estimates the amount of variable consideration and determines what portion of that, if any, has a high probability of significant subsequent revenue reversal, and if so, that amount is excluded from the transaction price. The Company's contracts with customers frequently contain multiple deliverables, such as systems, upgrades, components, spare parts, installation, maintenance, and service plans. Judgment is required to properly identify the performance obligations within a contract and to determine how the revenue should be allocated among the performance obligations. The Company also evaluates whether multiple transactions with the same customer or related parties should be considered part of a single contract based on an assessment of whether the contracts or agreements are negotiated or executed within a short time frame of each other or if there are indicators that the contracts are negotiated in contemplation of one another.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">When there are separate units of accounting, the Company allocates revenue to each performance obligation on a relative stand-alone selling price basis. The stand-alone selling prices are determined based on the prices at which the Company separately sells the systems, upgrades, components, spare parts, installation, maintenance, and service plans. For items that are not sold separately, the Company estimates stand-alone selling prices generally using an expected cost plus margin approach.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Most of the Company's revenue is recognized at a point in time when the performance obligation is satisfied. The Company considers many facts when evaluating each of its sales arrangements to determine the timing of revenue recognition, including its contractual obligations and the nature of the customer's post-delivery acceptance provisions. The Company's system sales arrangements, including certain upgrades, generally include field acceptance provisions that may include functional or mechanical test procedures. For many of these arrangements, a customer source inspection of the system is performed in the Company's facility; test data is sent to the customer documenting that the system is functioning to the agreed-upon specifications prior to delivery; or other quality assurance testing is performed</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">internally to ensure system functionality prior to shipment. Historically, such source inspection or test data replicates the field acceptance provisions that are performed at the customer's site prior to final acceptance of the system. When the Company objectively demonstrates that the criteria specified in the contractual acceptance provisions are achieved prior to delivery either through customer testing or the Company's historical experience of its tools meeting specifications, transfer of control of the product to the customer is considered to have occurred and revenue is recognized upon system delivery since there is no substantive contingency remaining related to the acceptance provisions at that date. For new products, new applications of existing products, or for products with substantive customer acceptance provisions where the Company cannot objectively demonstrate that the criteria specified in the contractual acceptance provisions have been achieved prior to delivery, revenue and the associated costs are deferred. The Company recognizes such revenue and costs upon obtaining objective evidence that the acceptance provisions can be achieved, assuming all other revenue recognition criteria have been met.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">In certain cases the Company's contracts with customers contain a billing retention, which is billed by the Company and payable by the customer when field acceptance provisions are completed. Revenue recognized in advance of the amount that has been billed is recorded as a contract asset on the Consolidated Balance Sheets.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">The Company recognizes revenue related to maintenance and service contracts over time based upon the respective contract term. Installation revenue is recognized over time as the installation services are performed. The Company recognizes revenue from the sales of components, spare parts, and specified service engagements at a point in time, which is typically consistent with the time of delivery in accordance with the terms of the applicable sales arrangement.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">The Company may receive advanced payments on system transactions. The timing of the transfer of goods or services related to the advanced payments is either at the discretion of the customer or generally expected to be within one year from the advanced receipt. As such, the Company does not adjust transaction prices for the time value of money. Incremental direct costs incurred related to the acquisition of a customer contract, such as sales commissions, are expensed as incurred since the expected amortization period is one year or less.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Inventories are stated at the lower of cost or net realizable value, with cost determined on a first-in, first-out basis.

Each quarter the Company assesses the valuation and recoverability of all inventories, materials (raw materials, spare parts, and service inventory), work-in-process, finished goods, and evaluation inventory at customer facilities. Obsolete inventory or inventory in excess of management's estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials, and other qualitative factors. Unanticipated changes in demand for the Company's products may require a write down of inventory, which would be reflected in cost of sales in the period the revision is made. Inventory acquired as part of a business combination is recorded at fair value on the date of acquisition.

Segment Reporting (Topic 280) – Improvements to Reportable Segment Disclosures

This standard primarily enhances disclosures about significant segment expenses. The standard requires interim and annual disclosure of significant segment expenses that are regularly provided to the chief operating decision-maker ("CODM") and included within the reported measure of a segment's profit or loss, requires interim disclosures about a reportable segment's profit and loss and assets that are currently required annually, requires disclosure of the position and title of the CODM, clarifies circumstances in which an entity can disclose multiple measures of profit or loss and contains other disclosure requirements. This authoritative guidance is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is evaluating the effect of this new guidance on its consolidated financial statements.

Improvements to Income Tax Disclosures (Topic 740)

This amendment requires public entities to disclose consistent categories and greater disaggregation of information in the rate reconciliation and for income taxes paid. It also includes certain other amendments to improve the effectiveness of income tax disclosures. This authoritative guidance will be effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is evaluating the effect of this new guidance on its consolidated financial statements.

Note 2 – Income Per Common Share

Basic income per share is calculated by dividing net income by the weighted average number of shares outstanding during the period. Diluted income per share is calculated by dividing net income available to common shareholders by the weighted average number of shares used to calculate basic income per share plus the weighted average number of common share equivalents outstanding during the period. The dilutive effect of outstanding options to purchase common stock and share-based awards is considered in diluted income per share by application of the treasury stock method. The dilutive effect of performance share units is included in diluted income per common share if the performance targets have been achieved, or would have been achieved if the reporting date was the end of the contingency period. Finally, the Company includes the dilutive effect of shares issuable upon conversion of its Notes in the calculation of diluted income per share using the if-converted method. The Company has the option for the 2025 and 2027 Notes to settle the conversion value in any combination of cash or shares, and as such, the maximum number of shares issuable are included in the dilutive share count if the effect would be dilutive. The Company must settle the principal amount of the 2029 Notes in cash, and has the option to settle any excess of the conversion value over the principal amount in any combination of cash or shares. As such, the Company only includes the excess shares that may be issuable above the principal amount of the 2029 Notes in the dilutive share count, if the effect would be dilutive.

The computations of basic and diluted income per share for the three and nine months ended September 30, 2024 and 2023 are as follows:

	Three Months Ended September 30, 2024	Three Months Ended September 30, 2023
Basic	1.89%	1.88%
Diluted	1.89%	1.88%

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">Potential shares to be issued for settlement of the convertible notes excluded from the diluted calculation as their effect would be antituitive

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">The Company acquired Epiluvac AB, a privately held manufacturer of chemical vapor deposition (CVD) epitaxy systems that enable silicon carbide (SiC) applications in the electric vehicle market. This acquisition is expected to accelerate penetration into the emerging, high-growth SiC equipment market. The results of Epiluvac's operations have been included in the consolidated financial statements since the date of acquisition. Acquisition date fair value totaled \$56.4 million, which included \$30.4 million of cash and \$26.1 million of contingent consideration.

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">The purchase agreement included performance milestones that, if achieved, could trigger additional payments to the original selling shareholders. The contingent arrangements include payments up to \$15.0 million based on the timely completion of certain defined milestones tied to strategic targets, and up to \$20.0 million based on the percentage of orders received during the defined Earn-out period. The Earn-out period is four years after the closing date of the acquisition, or earlier if certain conditions are met.

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">The Company estimated the fair value of the contingent consideration by assigning probabilities and discount factors to each of the various defined performance milestones, while using a Monte-Carlo simulation model to determine the most likely outcome for payments to be based on value of orders received. These fair value measurements are based on significant inputs not observable in the market and thus represent a Level 3 measurement as defined in ASC 820.

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">discount rate used was 5.54% for the strategic target and order value related contingent payments. The rate was determined based on the nature of the milestone, the risks and uncertainties involved and the time period until the milestone was measured. The determination of the various probabilities and discount factors is highly subjective, requires significant judgment, and is influenced by a number of factors, including the adoption of SiC technology. The aggregate fair value of the contingent consideration arrangement at the acquisition date was \$26.1 million. While the use of SiC is expected to grow in the near future, it is difficult to predict the rate at which SiC will be adopted by the market and thus would impact the sales of our equipment.

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">The Company updates its estimate of fair value of the contingent consideration each reporting period, utilizing the same methodologies described above.

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">discount rate used was 4.9% at September 30, 2024 for the strategic target and order value related contingent payments. During the three and nine months ended September 30, 2024, the Company reduced the contingent consideration by \$4.6 million and \$4.8 million, respectively, included within "Other operating expense (income), net" in the Consolidated Statements of Operations. This reduction was based on management's probability-weighted present value of consideration expected to be transferred during the remainder of the earn-out period. Additionally, during the nine months ended September 30, 2024, the Company paid \$1.8 million to the original selling shareholders associated with the settlement of a strategic target milestone. Total contingent consideration liability as of September 30, 2024 was \$17.7 million, included within "Other liabilities" on the Consolidated Balance Sheet.

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">Note 4 — Assets

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">Investments

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">Short-term investments are generally classified as available-for-sale and reported at fair value, with unrealized gains and losses, net of tax, presented as a separate component of stockholders' equity under the caption "Accumulated other comprehensive income" in the Consolidated Balance Sheets. These securities may include U.S. treasuries, government agency securities, corporate debt, and commercial paper, all with maturities of greater than three months when purchased. All realized gains and losses and unrealized losses resulting from declines in fair value that are other than temporary are included in "Other operating expense (income), net" in the Consolidated Statements of Operations.

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">Fair value is the price that would be received for an asset or the amount paid to transfer a liability in an orderly transaction between market participants. Veeco classifies certain assets based on the following fair value hierarchy:

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">Level 1: Quoted prices in active markets that are unadjusted and accessible at the measurement date for identical, unrestricted assets or liabilities;

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">Level 2: Quoted prices for identical assets and liabilities in markets that are not active, quoted prices for similar assets and liabilities in active markets or financial instruments for which significant inputs are observable, either directly or indirectly;

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">Level 3: Prices or valuations that require inputs that are both significant to the fair value measurement and unobservable.

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">A financial instrument's level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Veeco has evaluated the estimated fair value of financial instruments using available market information and valuations as provided by third-party sources. The use of different market assumptions or estimation methodologies could have a significant effect on the estimated fair value amounts.

"style="font-family: Times New Roman; font-size: 10pt; margin: 0pt; padding: 0pt;">The following table presents the portion of Veeco's assets that were measured at fair value on a recurring basis at September 30, 2024 and December 31, 2023:

	September 30, 2024	December 31, 2023
Assets measured at fair value on a recurring basis	\$1.2 million	\$1.1 million
Assets measured at fair value on a non-recurring basis	\$0.1 million	\$0.1 million
Total assets measured at fair value	\$1.3 million	\$1.2 million

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size:10pt;margin:0pt;">\$</p></td><td style="vertical-align:bottom;white-space:nowrap;width:7.25%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:Times New Roman','Times','serif;font-size:10pt;text-align:right;margin:0pt;">(129)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.13%;margin:0pt;padding:0pt;"><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"></td><td style="vertical-align:bottom;white-space:nowrap;width:1.26%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;">\$</p></td><td style="vertical-align:bottom;white-space:nowrap;width:8.12%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:Times New Roman','Times','serif;font-size:10pt;text-align:right;margin:0pt;3.6pt 0pt 0pt;">146.664</p></td></tr><table><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"></p><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;">Available-for-sale securities in a loss position at September 30, 2024 and December 31, 2023 consist of:</p><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"></p><table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:56.34%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="height:1pt;overflow:absolu

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left:0pt;visibility:hidden;"></p><table style="border-collapse:collapse;font-family:'Times New Roman','Times','serif;font-size:10pt;margin-bottom:0pt;margin-top:0pt;table-layout:fixed;width:100%;border:0pt;"><tr><td style="width:36pt;"></td><td style="font-family:'Times New Roman','Times','serif;font-size:10pt;vertical-align:top;text-align:top;white-space:nowrap;width:25.2pt;padding:0pt;">(iv)</td><td style="padding:0pt;"></td><td style="font-family:'Times New Roman','Times','serif;font-size:10pt;font-style:normal;font-weight:normal;">Upon the occurrence of specified corporate events.</td></tr></table><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;">For the calendar quarter ended September 30, 2024, the last reported sales price of the common stock during the 30 consecutive trading days, based on the criteria outlined in (i) above, was greater than 130% of the conversion price of the 2025 and 2027 Notes, and as such are convertible by the holders until December 31, 2024.</p><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;">Holders may convert their Notes at any time, regardless of the foregoing circumstances, on October 15, 2024 with respect to the 2025 Notes, October 1, 2026 with respect to the 2027 Notes, and February 1, 2029 with respect to the 2029 Notes, until the close of business on the business day immediately preceding the respective maturity date. In regards to the 2025 Notes, the Company has elected an all-share settlement method upon conversion of the Notes, and has delivered notice of this election to the Trustee in accordance with the terms of the 2025 Notes.</p><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;">The Notes are recorded as a single unit within liabilities in the consolidated balance sheets as the conversion features within the Notes are not derivatives that require bifurcation and the Notes do not involve a substantial premium. Transaction costs of \$1.9 million, \$3.1 million, and \$6.8 million incurred in connection with the issuance of the 2025 Notes, 2027 Notes, and 2029 Notes, respectively, were recorded as direct deductions from the related debt liabilities and recognized as non-cash interest expense using the effective interest method over the expected terms of the Notes.</p><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;">The carrying value of the 2025 Notes, 2027 Notes, and 2029 Notes are as follows:</p><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p><table style="border-collapse:collapse;font-size:16pt,height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr><td style="height:1pt;"></td><td style="vertical-align:bottom;width:21.17%;margin:0pt;padding:0pt;"></td><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;"></p></div></div><td style="vertical-align:bottom;width:1.17%;margin:0pt;padding:0pt;"></td><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;"></p></div></div><td style="vertical-align:bottom;width:1.06%;margin:0pt;padding:0pt;"></td><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times','serif;font-size:10pt;margin:0pt;"></p></div></div><td style="vertical-align:bottom;width:1.03%;margin:0pt;padding:0pt;"></td><div 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style="visibility:hidden;"></p><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;">The Loan and Security Agreement contains customary affirmative covenants for transactions of this type, including, among others, the provision of financial and other information to the administrative agent, notice to the administrative agent upon the occurrence of certain material events, preservation of existence, maintenance of properties and insurance, compliance with laws, including environmental laws, the provision of additional guarantees, and an affiliate transactions covenant, subject to certain exceptions. The Loan and Security Agreement contains customary negative covenants, including, among others, restrictions on the ability to merge and consolidate with other companies, incur indebtedness, refinance our existing convertible notes, grant liens or security interests on assets, make investments, acquisitions, loans, or advances, pay dividends, and sell or otherwise transfer assets.</p><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;">The Loan and Security Agreement contains financial maintenance covenants that require the Borrower to maintain an Interest Coverage Ratio (as defined in the Loan and Security Agreement) of not less than 3.00 to 1.00, a Total Net Leverage Ratio (as defined in the Loan and Security Agreement) of not more than 4.50 to 1.00, and a Secured Net Leverage Ratio (as defined in the Loan and Security Agreement) of not more than 2.50 to 1.00, in each case, tested at the end of each fiscal quarter commencing with the fiscal quarter ending September 30, 2022. The Loan and Security Agreement also provides for a number of customary events of default, including, among others: payment defaults to the lenders; voluntary and involuntary bankruptcy proceedings; covenant defaults; material inaccuracies of representations and warranties; certain change of control events; material money judgments; and other customary events of default. The occurrence of an event of default could result in the acceleration of obligations and the termination of lending commitments under the Loan and Security Agreement.</p><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;">No amounts were outstanding under the Credit Facility as of September 30, 2024 or December 31, 2023.</p><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><i style="font-style:italic;">Other Liabilities</i></p><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;">Other liabilities at September 30, 2024 and December 31, 2023 were approximately \$21.0 million and \$25.5 million, respectively, which primarily included contingent consideration of \$17.7 million and \$22.4 million, respectively; medical and dental benefits from former executives of \$1.9 million; and asset retirement obligations of \$0.9 million.</p><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"><p style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:auto;margin-right:auto;padding-left:0pt;padding-right:0pt;width:80%;"><tr style="height:1pt;<td style="vertical-align:bottom;width:70.74%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:Times New Roman','Times','serif;font-size:10pt;margin:0pt;"></p></div></td><td style="vertical-align:bottom:white-space:nowrap;width:2.08%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p 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Three months ended September 30,**2024****2023****2022**

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Three months ended September 30,**2024****2023****2022**

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Three months ended September 30,**2024****2023****2022**

Three months ended September 30,**2024****2023****2022**

Three months ended September 30,**2024****2023****2022**

Three months ended September 30,**2024****2023****2022**

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Three months ended September 30,

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family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.49%; border-bottom: 1px solid #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.24%; border-bottom: 1px solid #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; text-align: right; margin: 0pt 3.6pt 0pt 0pt; "> 109</p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.64%; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.5%; border-bottom: 1px solid #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 8.27%; border-bottom: 1px solid #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; text-align: right; margin: 0pt 3.6pt 0pt 0pt; "> 765</p></td><td style="vertical-align: bottom; white-space: nowrap; width: 2.48%; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.49%; border-bottom: 1px solid #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 10.29%; border-bottom: 1px solid #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; text-align: right; margin: 0pt 3.6pt 0pt 0pt; "> 248</p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.64%; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><tr><td style="vertical-align: bottom; width: 46.04%; background: #cceeef; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt 0pt 0pt 12pt; "><b style="font-weight: bold; ">Total</p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.64%; background: #cceeef; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.5%; background: #cceeef; border-bottom: 3px double #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 8.25%; background: #cceeef; border-bottom: 3px double #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; text-align: right; margin: 0pt 3.6pt 0pt 0pt; "> 184,807</p></td><td style="vertical-align: bottom; white-space: nowrap; width: 2.47%; background: #cceeef; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.49%; background: #cceeef; border-bottom: 3px double #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 11.24%; background: #cceeef; border-bottom: 3px double #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; text-align: right; margin: 0pt 3.6pt 0pt 0pt; "> 177,366</p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.64%; background: #cceeef; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.5%; background: #cceeef; border-bottom: 3px double #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 8.27%; background: #cceeef; border-bottom: 3px double #000000; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; text-align: right; margin: 0pt 3.6pt 0pt 0pt; "> 535,170</p></td><td style="vertical-align: bottom; white-space: nowrap; width: 2.48%; background: #cceeef; margin: 0pt; padding: 0pt; "><p style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin: 0pt; "></p></td><td style="vertical-align: bottom; white-space: nowrap; width: 1.49%; 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margin: 0 auto 0 0; "></div></div><table style="border-collapse: collapse; font-family: 'Times New Roman', 'Times', 'serif', font-size: 10pt; margin-bottom: 0pt; margin-top: 0pt; table-layout: fixed; width: 100%; border: 0pt; "><tr><td style="font-family: 'Times New Roman', 'Times', 'serif', font-size: 7.5pt; vertical-align: top; white-space: nowrap; width: 18pt; padding: 0pt; ">(1)</td><td style="padding: 0pt; ">EMEA consists of Europe, the Middle East, and Africa</td></tr></table>124143000981550003544630002975370001555600025666000547810007089100032750000339570008472700069416000123580001958800041199000546670001848