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bases and operating loss and tax credit carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. In assessing the likelihood of utilization of existing deferred tax assets, management has considered the historical results of operations and the current operating environment. Based on this evaluation, a full valuation reserve has been provided for the deferred tax assets. Goodwill and Patents Long-lived assets such as goodwill and patents are capitalized when acquired and reviewed for impairment whenever events or changes in circumstances indicate that the book value of the asset may not be recoverable. Impairment of the carrying value of long-lived assets such as goodwill and patents would be indicated if the best estimate of future undiscounted cash flows expected to be generated by the asset grouping is less than its carrying value. If an impairment is indicated, any loss is measured as the difference between estimated fair value and carrying value and is recognized in operating income or loss. Assets to be disposed of are reported at the lower of the carrying amount or fair value less costs to sell. No such impairments of goodwill or patents have been estimated by management as of September 30, 2024.

2. INVENTORIES Inventories are stated at the lower of cost (first-in, first-out) or market and consisted of the following: Schedule of inventories September 30, 2024 June 30, 2024 Raw Materials \$1,965,096 \$1,570,135 Work-In-Progress \$153,223 \$157,406 Finished Goods \$1,342,302 \$1,140,559 Total Inventories \$3,460,621 \$2,868,100

3. BANK FINANCING ACTIVITIES A Bank Line of Credit On October 4, 2021, the Company entered into a Loan Agreement with Main Street Bank of Marlborough, Massachusetts, which provided for a \$2,600,000 Term Loan and a \$250,000 Revolving Line of Credit Loan Facility (the “Revolver”), which was increased to \$500,000 effective May 17, 2022, and \$1,250,000 effective June 2, 2023. Borrowings under the Revolver are limited by the borrowing base comprised of a percentage of accounts receivable and inventory and secured by all assets of the Company. Borrowings under the Revolver will bear interest payable monthly at the prime lending rate plus 1.5% per annum and shall not be less than 4.75% per annum. Borrowings under the Revolver are due upon demand. Borrowings under the Revolver at September 30, 2024 were \$500,000, with \$750,000 remaining available for use.

4. The Company’s Loan Agreement with the Lender contains a minimum annual debt service coverage ratio covenant of 1.2x, for the period ending June 30, 2024. The Company did not meet this annual debt service coverage ratio as of such fiscal year end date. The Company’s Lender has agreed to waive compliance with such debt service ratio covenant for the period ending June 30, 2024. In addition to such waiver, the Lender and the Company have entered into an amendment dated September 30, 2024 to that certain Term Loan dated October 4, 2021, as amended and that certain Promissory Note dated June 2, 2023 (collectively, the “Notes”) which amendments provide for a six month period of interest only payments from October 15, 2024 through March 15, 2025 for the Notes. The Company will begin to pay principal and interest under the Notes beginning with the payments due on April 15, 2025, with a new amortization schedule for the remaining term for such Notes through their maturity date. There were no other changes to or modifications to the Loan Agreement or the Notes.

Long-Term Debt Long-term debt consists of the following at September 30, 2024: Schedule of long-term debt Amount Term Loan Note payable to Main Street Bank with monthly principal payments of \$35,173, excluding six months in Fiscal 2025, plus interest at a fixed rate of 7.0% per annum. Secured by all assets of the Company, and subject to certain periodic reporting to the bank and other conditions including an annual minimum EBITDA plus stock-based compensation to debt service coverage ratio of 1.20:1 commencing with the fiscal year ending June 30, 2023. The Term Loan Note matures on October 15, 2028 \$1,516,667 Permanent Working Capital Loan payable to Main Street Bank with monthly principal payments of \$14,375, excluding six months in Fiscal 2025, plus interest at a fixed rate of 8.625% per annum. Secured by all assets of the Company, and subject to certain periodic reporting to the bank and other conditions including an annual minimum EBITDA plus stock-based compensation to debt service coverage ratio of 1.20:1 commencing with the fiscal year ending June 30, 2023. The Permanent Working Capital Loan matures on June 15, 2028 \$562,500 Less current maturities (285,901) Less debt issuance and modification costs, net of accumulated amortization of \$18,736 (46,502) Long-term debt, net of current maturities and debt issuance costs \$1,746,764 At September 30, 2024 principal payments due on the Term Loan Note payable are as follows: Schedule of principal payments due on term loan note payable Fiscal Year Ending June 30: 2025 \$148,644 2026 \$594,578 2027 \$594,578 2028 \$594,578 2029 \$146,789 Total long-term debt \$2,079,167

4. LEASE OBLIGATIONS In March 2021 the Company entered into a five-year capital lease in the amount of \$161,977 for manufacturing equipment. In January 2020, the Company entered into a five-year capital lease for \$47,750 for manufacturing equipment. The net book value of fixed assets under capital lease obligations as of September 30, 2024 is \$51,776. On July 1, 2019, the Company entered into a three-year operating lease for its facility in El Paso, Texas, and in February 2022 extended the lease through June 2025. Remaining minimum lease payments at September 30, 2024 total \$34,060. Total rent expense including base rent and common area expenses was \$16,340 and \$15,973 during the three months ended September 30, 2024 and 2023, respectively. On October 4, 2021, the Company assumed the remaining term of the Windham, Maine lease as part of the Lighthouse acquisition. The lease expires on July 31, 2025. Remaining minimum lease payments on September 30, 2024 total \$112,187. Total rent expense including base rent and common area expenses was \$34,432 during both the three months ended September 30, 2024 and 2023. Included in the accompanying balance sheet at September 30, 2024 is a right-of-use asset of \$146,247 and current right-of-use operating lease liabilities of \$146,247. At September 30, 2024 future minimum lease payments under the capital lease and operating lease obligations are as follows: Schedule of future minimum lease payments under capital lease and operating lease obligations Fiscal Year Ending June 30: Capital Leases Operating Lease 2025 \$31,764 \$137,950 2026 \$28,004 \$11,478 Total Minimum Payments \$59,768 \$149,428 Less: amount representing interest \$2,498 \$3,181 Present value of minimum lease payments \$57,270 \$146,247 Less: current portion \$38,866 \$146,247 Lease Obligation, net of current portion \$18,384 \$ -

The Company’s four facilities in Gardner, Massachusetts which are used for offices, production and storage spaces are leased primarily on a tenant-at-will basis. Rent expense on these operating leases was \$51,797 and \$48,799 for the three months ended September 30, 2024 and 2023, respectively.

5. STOCK-BASED COMPENSATION Stock Options The following table summarizes stock-based compensation expense for the three months ended September 30, 2024 and 2023. The share amounts and prices shown below reflect adjustment for a 1-for-3 reverse stock split that took effect after the close of business on November 1, 2022. Schedule of stock-based compensation expense Three Months Ended September 30: 2024 2023 Cost of Goods Sold \$39,226 \$22,625 Selling, General and Administrative \$110,138 \$86,121 Stock Based Compensation Expense \$149,364 \$108,746 No compensation has been capitalized because such amounts would have been immaterial.

6. The following tables summarize stock option activity for the three months ended September 30, 2024: Schedule of stock option activity Options Outstanding Number of Shares Weighted Average Exercise Price Weighted Average Contractual Life Outstanding at June 30, 2024 1,357,735 \$4.72 6.60 years Exercised (10,999) 2.81 Canceled, forfeited, or expired (17,500) 4.62 Outstanding at September 30, 2024 1,329,236 \$4.72 6.35 years

7. The aggregate intrinsic value of the Company’s in-the-money outstanding and exercisable options as of September 30, 2024 were \$1,533,439 and \$1,511,239, respectively.

REVENUE RECOGNITION The Company determines revenue recognition for arrangements that we determine are within the scope of Accounting Standards Codification Topic 606, Revenue from Contracts with Customers, or ASC 606, by performing the following five steps: (i) identify the contract with a customer; (ii) identify the performance obligations in the contract; (iii) determine the transaction price; (iv) allocate the transaction price to the performance obligations in the contract; and (v) recognize revenue when, or as, the Company satisfies the performance obligations. At contract inception, once the contract is determined to be within the scope of ASC 606, the Company assesses the goods or services promised within the contract and determine those that are performance obligations and assess whether each promised good or service is distinct based on the contract. The Company disaggregates revenues by product and service types as it believes best depicts how the nature, amount, timing and uncertainty of revenues and cash flows are affected by economic factors. Revenues are comprised of the following for the three months ended September 30, 2024 and 2023: Schedule of disaggregation of revenues 2024 2023 Three Months Ended September 30: 2024 2023 Engineering Design Services \$1,851,371 \$1,900,999 Optical Components \$2,080,188 \$1,903,311 Medical Device Products and Assemblies \$265,494 \$516,945 Total Revenues \$4,197,053 \$4,321,255 Other selling costs to obtain and fulfill contracts are expensed as incurred due to the short-term nature of a majority of contracts. The Company extends terms of payment to its customers based on commercially reasonable terms for the markets of its customers, while also considering their credit quality. Shipping and handling costs charged to customers are included in revenue.

11. Revenue recognition policies for each of the four product and service types appear below. Engineering Design Services The Company enters into contractual agreements with its customers, including design services agreements, statements of work and receive purchase orders for development projects. These agreements provide costs on an estimated basis for the services the Company has agreed to provide. Engineering Design Services are rendered on a time and materials basis. The Company recognizes revenue as customers are invoiced for the actual engineering services provided in the period. Revenue is also recognized on materials purchased for development projects at the time of receipt. Engineering Design Services are provided on a best-efforts basis; no warranty is provided as there is no guarantee that the work will result in the attainment of the customer’s project objectives. The Company may obtain customer deposits in advance of rendering engineering design services. Customer deposits are treated as contractual liabilities until the terms of customer agreements are satisfied and are not a component of revenue. Optical Components, Finished Products and Assemblies The Company provides fixed price quotations to its customers and requires purchase orders for all purchased optical components, finished devices and assemblies. Revenue is recognized at the time title passes to the Company’s customers based on its review of the customer contract, generally at the time of shipment from its facilities. Occasionally the Company may enter into “bill and hold” contractual arrangements where title is held by its customers while goods are stored at our facilities for their convenience. Technology Rights and Royalties The Company may recognize revenue for the sale of technology rights and through the receipt of royalties obtained under a license of our intellectual property. These revenues are recognized in the period in which, in our judgment, they are earned and no longer contingent under the terms and conditions of the relevant customer contract. Contract Assets and Liabilities The nature of the Company’s products and services does not generally give rise to contract assets as it typically does not incur costs to fulfill a contract before a product or service is provided to a customer. The Company’s costs to obtain contracts are typically in the form of sales commissions paid to employees. The Company has elected to expense sales commissions associated with obtaining a contract as incurred as the amortization period is generally less than one year. These costs have been recorded in selling, general and administrative expenses. As of September 30, 2024, there were no contract assets recorded in the Company’s Consolidated Balance Sheets.

The Company’s contract liabilities arise from unearned revenue received from customers at inception of contracts or where the timing of billing for services precedes satisfaction of our performance obligations. The Company generally satisfies performance obligations within one year from the contract’s inception date. Contract liabilities, which are recorded in the Company’s Consolidated Balance Sheets, and unearned revenue are comprised of the following: Schedule of contract liabilities 2024 2023 Three Months Ended September 30: 2024 2023 Contract liabilities, beginning of period \$1,172,350 \$1,174,690 Unearned revenue received from customers \$471,617 \$433,119 Revenue recognized (537,421) (182,826) Contract liabilities, end of period \$1,106,546 \$1,424,983

12. Management’s Discussion and Analysis of Financial Condition and Results of Operations. The following discussion of our financial condition and results of operations should be read in conjunction with the unaudited condensed consolidated financial statements and notes to those statements included elsewhere in this Quarterly Report on Form 10-Q for the quarter ended September 30, 2024 and with our audited consolidated financial statements for the year ended June 30, 2024 included in our Annual Report on Form 10-K, filed with the Securities and Exchange Commission on September 30, 2024. This Quarterly Report on Form 10-Q contains forward-looking statements. When used in this report, the words anticipate, suggest, estimate, plan, project, continue, ongoing, potential, expect, predict, believe, intend, may, will, should, could, would and similar expressions are intended to identify forward-looking statements. You should not place undue reliance on these forward-looking statements. Our actual results could differ materially from those anticipated in the forward-looking statements for many reasons, including the risks described in this report, the risks described in our Annual Report on Form 10-K for the year ended June 30, 2024 and other reports we file with the Securities and Exchange Commission. Although we believe the expectations reflected in the forward-looking statements are reasonable, they relate only to events as of the date on which the statements are made. We do not intend to update any of the forward-looking statements after the date of this report to conform these statements to actual results or to changes in our expectations, except as required by law.

Overview We have been a developer and manufacturer of advanced optical instruments since 1982. Our proprietary medical instrumentation line, unique custom design and manufacturing capabilities, and expert engineering and development has generated traditional proprietary endoscopes and endocouplers as well as other custom imaging and illumination products for our customers’ use in minimally invasive surgical procedures. We design and manufacture 3D endoscopes and very small Microprecision lenses, assemblies and complete medical devices to meet the surgical community’s continuing demand for smaller, disposable, and more enhanced imaging systems for minimally invasive surgery. Effective June 1, 2019 we acquired the operating assets of Ross Optical Industries, Inc. of El Paso, Texas. As Ross Optical Industries we also operate as a supplier of custom optical components and assemblies for military and defense, medical and various other industrial applications. All products sold by us under the Ross Optical name include a custom or catalog optic, which is sourced through our extensive domestic and worldwide network of optical fabrication suppliers. Most systems make use of optical lenses, prisms, mirrors and windows and range from individual optical components to complex mechano-optical assemblies. Products often include thin film optical coatings that are applied using our in-house coating department. Effective October 1, 2021 we acquired the operating assets of Lighthouse Imaging, LLC of Windham, Maine. Our Lighthouse Imaging division supplements our operations as a manufacturer of advanced optical imaging systems and accessories and has provided further expertise in electrical engineering and development of end-to-end medical visualization devices. Product development competencies at Lighthouse Imaging include Systems, Optical, Mechanical, Electrical and Process Development Engineering. Since the purchase we have integrated these acquired engineering and operational capabilities to provide an expanded, unified offering to our customers. Our product development team has extensive experience developing visualization systems that are used in a variety of clinical applications. Lighthouse Imaging is an industry leader in chip-on-tip visualization systems. The markets in which we do business are highly competitive and include both foreign and domestic competitors. Many of our competitors are larger and have substantially greater resources than we do. Furthermore, other domestic or foreign companies, some with greater financial resources than we have, may seek to produce products or services that compete with ours. Over the years we have developed extensive experience collaborating with other optical specialists worldwide.

13. The markets for our products have increasingly been driven by the demand for smaller and more enhanced imaging systems by the needs of the surgical community, including applications for the brain, eye, ear, urology, cardiology/angiography and the spine. We market directly to established medical device companies primarily in the United States that we believe could benefit from our advanced endoscopy visualization systems. Through this direct marketing, referrals, attendance at trade shows and a presence in online professional association websites, we have expanded our on-going pipeline of projects to significant medical device companies as well as well-funded emerging technology companies. We expect our customer pipeline to continue to expand as development

projects transition to production orders and new customer projects enter the development phase. Our Ross Optical division markets through existing customers and trade shows, in addition to proactive online marketing strategies executed primarily through its website. Å We produce micro-precision optics, which are millimeter-sized and smaller cameras with low manufacturing costs. The small size provides visualization for new procedures in new parts of the body and for existing procedures that are currently performed blind or with sub-optimal imaging, facilitating the development of new surgical procedures that are currently impractical. We use patented and patent-pending approaches to fabricating opto-mechanical and opto-electronic systems. We have developed and helped commercialize applications for numerous customers in the medical device and defense/aerospace industries. Å We believe that our future success depends to a large degree on our ability to develop new optical products and services to enhance the performance characteristics and methods of manufacture of existing products. Competition among medical device companies is increasing with multiple companies now pursuing less expensive, procedure specific robotic systems. We expect to continue to seek and obtain product-related design and development contracts with customers and to selectively invest our own funds on research and development, particularly in the areas of MicroprecisionTM optics, micro medical cameras, illumination, single-use endoscopes, and 3D endoscopes. We are one of only a handful of companies in the world to design and provide 3D endoscopes. By designing systems with low manufacturing costs, we have also begun to penetrate the single-use endoscope market. Single-use endoscopes virtually eliminate the potential for patient cross-contamination and support a number of additional operational benefits for hospitals and surgeons. We estimate this segment of the overall minimally invasive surgical market is growing at two to three times the rate of the overall market. Å Current sales and marketing activities are intended to broaden awareness of the benefits of our new technology platforms and our successful application of these new technologies to medical device projects requiring surgery-grade visualization from millimeter sized devices and 3D endoscopy, including single-use products and assemblies. Å We are registered to the ISO 9001:2015 and ISO 13485:2016 Quality Standards and comply with the FDA Good Manufacturing Practices. Å Our websites are www.poci.com, www.rossoptical.com, and www.lighthouseoptics.com. The information contained on our websites does not constitute part of this report. Å General Å This managementÆ™s discussion and analysis of financial condition and results of operations is based upon our unaudited consolidated financial statements, which have been prepared without audit, pursuant to the rules and regulations of the Securities and Exchange Commission. The preparation of these consolidated financial statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses and related disclosures. We base our estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions and any such differences may be material. Å Critical Accounting Policies and Estimates Å There have been no significant changes in our critical accounting policies as disclosed in the Notes to our Financial Statements contained in our Annual Report on FormÅ 10-K for the year ended JuneÅ 30, 2024 filed with the Securities and Exchange Commission on September 30, 2024. Å Å Å 14Å Å Results of Operations Å Revenue Å Å Three Months Ended September 30, Å Å 2024Å Å Percent of SalesÅ Å 2023Å Å Percent of SalesÅ Å Increase (Decrease)Å Å Percent ChangeÅ Engineering Design ServicesÅ \$1,851,371Å Å 44.1Å Å \$1,900,999Å Å 44.0Å Å \$(49,628)Å Å (2.6) Optical ComponentsÅ Å 2,080,188Å Å 49.6Å Å 1,903,311Å Å 44.0Å Å 1,76,877Å Å 9.3Å Finished Products and AssembliesÅ Å 265,494Å Å 6.3Å Å 516,945Å Å 12.0Å Å 251,451Å Å 48.6) Total RevenuesÅ \$4,197,053Å Å 100.0Å Å \$4,321,255Å Å 100.0Å Å \$124,202Å Å (2.9) Å Total revenues for the quarter ending September 30, 2024 were \$4,197,053, as compared to \$4,321,255 for the same period in the prior year, a decrease of \$124,202. Revenue from Engineering Design Services decreased 2.6% during the quarter ending September 30, 2024 from the prior year period ending September 30, 2023. During the quarter ending September 30, 2024 engineering capacity, and therefore billable revenues, was reduced as a result of increased research and development activities. Å Revenue from Optical Components increased 9.3% during the three-month period ending September 30, 2024 from the prior year period ending September 30, 2023. The market for Optical Components was impacted beginning in the period ending September 30, 2023, as we noted lower order volumes as customers sought to rebalance their inventories, and we believe a recovery is now underway. Å Revenue from Finished Products and Assemblies decreased 48.6% during the quarter ending September 30, 2024 from the prior year quarter ending September 30, 2023. The decrease in revenue from Finished Products and Assemblies was primarily attributable to a manufacturing pause for a defense/aerospace customer that was occasioned by a change in specification finalized late in the quarter ending September 30, 2024. Å Gross Profit Å Gross margin decreased to 26.6% during the quarter ending September 30, 2024, compared to 33.9% for the quarter ending September 30, 2023. Gross profit decreased to \$1,117,330 during the three months ended September 30, 2024, compared to \$1,463,611 for the three months ended September 30, 2023, primarily driven by changes in the product sales mix and the decreases in revenue discussed above. Å Research & Development Å R&D expenses increased \$187,901 to \$400,659 during the quarter ending September 30, 2024, compared to \$212,758 during the quarter ending September 30, 2023. R&D expenses for the period represent employee-related expenses to support product improvements, the development of new technologies and standardized approaches to address the opportunities for an evolving single-use medical device environment. Å Selling, General and Administrative ExpensesÅ Å SG&A expenses increased \$307,466, or 18.6% to \$1,963,612 during the three months ended September 30, 2024, compared to \$1,656,146 during the three months ended September 30, 2023. The increase in SG&A for the three-month period was primarily due to increased recruitment costs, bad debt expense, consulting expenses and information technology expenses. Å Å Å 15Å Å Liquidity and Capital Resources Å Based on our current plans and business conditions, management believes that the CompanyÆ™s available cash and cash equivalents, the cash generated from operations, availability on our line of credit, and our ability to raise funds in the capital markets will be sufficient to provide for the CompanyÆ™s working capital and capital expenditure requirements for at least 12 months from the date of this filing. However, our cash on hand and cash generated solely from operations may be insufficient to meet working capital needs for such period and we may be required to raise external financing in the short-term. Å Net Cash Used in Operating Activities Å During the three months ending September 30, 2024, net cash used in operating activities totaled \$318,622 and included a net loss of \$1,311,247, increases in inventory of \$592,521, offset by increases in accounts payable and accrued expenses of \$1,016,135, decreases in accounts receivable net of decreased customer deposit liabilities of \$356,092, and non-cash items totaling \$202,030. Å During the three months ending September 30, 2023, net cash used in operating activities totaled \$1,372,989 and included a net loss of \$464,515, increases in inventory of \$194,995, increases in accounts receivable net of increased customer deposit liabilities of \$375,426, decreases in accounts payable and accrued expenses of \$390,719, and non-cash items totaling \$164,886. Å Net Cash Used in Investing Activities Å During the three months ending September 30, 2024, net cash used in investing activities was \$28,099, consisting of purchases of property and equipment and patent costs. During the three months ended September 30, 2023, net cash used in investing activities was \$43,517, consisting of purchases of property and equipment and patent costs. Å Net Cash Provided by Financing Activities Å During the three months ending September 30, 2024, we made payments of \$139,527 on term notes and capital leases and repaid \$500,000 on our revolving line of credit. We raised a net of \$1,204,542 through the issuance of new shares in a registered direct common stock offering. During the three months ending September 30, 2023, we made payments of \$138,876 on term notes and capital leases. Å Indebtedness Å In October 2021 we entered a \$2,600,000 term loan with a commercial bank. In June 2023 we added a second term loan in the amount of \$750,000. We secured a \$250,000 line of credit from the same bank in October 2021 for working capital needs, which was increased to \$500,000 in May 2022 and to \$1,250,000 in June 2023. There were \$500,000 in borrowings outstanding on the line of credit on September 30, 2024 and additional availability in the amount of \$750,000. Å Our loan agreement contains a minimum annual debt service coverage ratio covenant of 1.2x, for the period ending June 30, 2024. We did not meet this annual debt service coverage ratio as of June 30, 2024. Our lender has agreed to waive compliance with the debt service ratio covenant for the period ending June 30, 2024. In addition to the waiver, we have entered into amendments dated September 30, 2024 with our lender to both term loans which provide for a six month period of interest only payments from October 15, 2024 through March 15, 2025. We will begin to pay principal and interest under the Notes beginning with the payments due on April 15, 2025, with a new amortization schedule for the remaining term for such Notes through their maturity date. There were no other changes to or modifications to the Loan Agreement or the Notes. Å On August 14, 2024 we entered into securities purchase agreements with institutional and accredited investors in addition to certain directors and officers of the Company for the purchase and sale of 265,868 shares of the CompanyÆ™s common stock resulting in gross proceeds of approximately \$1.4 million before deducting placement agent commissions and other estimated offering expenses. Net proceeds were \$1,204,542. Å Capital equipment expenditures and additional patent costs during the three months ended September 30, 2024 and in the same period in the prior year were \$28,099 and \$43,517, respectively. Å Å Å 16Å Å Contractual cash commitments for the fiscal periods subsequent to September 30, 2024, are summarized as follows: Å Å Fiscal 2025Å Å ThereafterÅ Å TotalÅ Capital lease for equipment, including interestÅ \$31,764Å Å \$28,004Å Å \$59,768Å Minimum operating lease paymentsÅ \$137,950Å Å \$11,478Å Å \$149,428Å Å We have contractual cash commitments related to open purchase orders as of September 30, 2024 of approximately \$4,549,000. Å Å Off-Balance Sheet Arrangements Å We currently have no off-balance sheet arrangements that have, or are reasonably likely to have, a current or future material effect on our financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources. Å Item 3. Quantitative and Qualitative Disclosures About Market Risk. Å As a smaller reporting company, as defined by RuleÅ 12b-2 of the Exchange Act and in Item 10(f)(1) of Regulation S-K, we are electing scaled disclosure reporting obligations and therefore are not required to provide the information requested by this Item. Å Item 4. Controls and Procedures. Å ManagementÆ™s Evaluation of Disclosure Controls and Procedures Å Our Chief Executive Officer, who is our principal executive officer, and our Chief Financial Officer, who is our principal financial officer, evaluated the effectiveness of our disclosure controls and procedures as of the end of the period covered by this Quarterly Report on Form 10-Q. Based on this evaluation, our Chief Executive Officer and our Chief Financial Officer have concluded that our disclosure controls and procedures, including internal control over financial reporting, were effective as of September 30, 2024, to ensure the information we are required to disclose in reports that we file or submit under the Securities Exchange Act of 1934, as amended (i) is recorded, processed, summarized, and reported within the time periods specified in Securities and Exchange Commission rules and forms, and (ii) is accumulated and communicated to our management, including our Chief Executive Officer and our Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure. Our disclosure controls and procedures are intended to be designed to provide reasonable assurance that such information is accumulated and communicated to our management. Å Material Weaknesses Previously Identified and Remediation Status Å As disclosed in our Form 10-k for the fiscal year ending June 30, 2024 we did not properly value our raw material and work-in-process inventory resulting in an overstatement of inventory and an understatement of cost of goods sold in the amount of \$320,000. We used a manually updated spreadsheet to maintain our records of quantities and costs in inventory, prior to transitioning to a new ERP system. The new ERP system was not properly updated to reflect current costs, and proper units of measure for certain items in inventory. During the quarter ending September 30, 2024, we conducted a thorough review of inventory item costs, updating incorrect item costs and units of measure in the new ERP system and established a methodology to continually monitor changes in costs through an analysis of purchase price variances and customer margin analysis. Å Additionally, we realized during the preparation of the financial statements for the fiscal year ending June 30, 2024 that we did not properly expense certain research and development costs totaling \$147,000, which was corrected prior to the filing of our financial statements on Form 10-K for the fiscal year ending June 30, 2024. We erroneously believed certain research and development costs were allowed to be capitalized under GAAP. The remediation of this material weakness has now been completed. Å Changes in Internal Control over Financial Reporting Å Except for the material weaknesses and remediation discussed above, there was no change in our internal control over financial reporting that occurred during the period covered by this Quarterly Report on Form 10-Q that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting. Å Å Å 17Å Å PART Å II. OTHER INFORMATION Å Item 1. Legal Proceedings. Å Our Company, on occasion, may be involved in legal matters arising in the ordinary course ofÅ our business. While management believes that such matters are currently insignificant, matters arising in the ordinary course of business for which we are or could become involved in litigation may have a material adverse effect onÅ our business, financial condition or results of operations. We are not aware of any pending or threatened litigation against us or our officers and directors in their capacity as such that could have a material impact on our operations or finances. Å Item 1A. Risk Factors. Å For information regarding factors that could affect our results of operations, financial condition and liquidity, refer to the section entitled æRisk Factorsæ in Part I, Item 1A in our annual report on Form 10-K for the year ended June 30, 2024. There have been no material changes from the risk factors previously disclosed in our annual report on Form 10-K for the year ended June 30, 2024 as filed with the SEC. Å Item 2. Unregistered Sales of Equity Securities and Use of Proceeds. Å None Å Item 3. Defaults Upon Senior Securities. Å Not applicable. Å Item 4. Mine Safety Disclosures. Å Not applicable. Å Item 5. Other Information. Å During the period covered by this Quarterly Report on Form 10-Q, no director or officer of the Company adopted or terminated a æRule 10b5-1 trading arrangementæ or ænon-Rule 10b5-1 trading arrangement,æ as each term is defined in Item 408(a) of Regulation S-K. Å Å Å 18Å Å Item 6. Exhibits. Å Exhibit Å Description Å Å 10.1 Å Form of Securities Purchase Agreement from August 13, 2024 offering (incorporated by reference to exhibit 10.1 of the Form 8-K dated August 14, 2024) Å Å 10.2 Å Placement Agency Agreement between Precision Optics Corporation, Inc and A.G.P./Alliance Global Partners dated August 13, 2024 (incorporated by reference to exhibit 10.2 of the Form 8-K dated August 14, 2024) Å Å 31.1* Å Certification of the Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002. Å Å 31.2* Å Certification of the Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002. Å Å 101.INS* Å Inline XBRL Instance Document (the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document) Å Å 101.SCH* Å Inline XBRL Taxonomy Extension Schema Document Å Å 101.CAL* Å Inline XBRL Taxonomy Extension Calculation Linkbase Document Å Å 101.DEF* Å Inline XBRL Taxonomy Extension Definition Linkbase Document Å Å 101.LAB* Å Inline XBRL Taxonomy Extension Label Linkbase Document Å Å 101.PRE* Å Inline XBRL Taxonomy Extension Presentation Linkbase Document Å Å 104* Å Cover Page Interactive Data File (embedded within the Inline XBRL document) Å * Å Filed Herewith. Å Å Å 19Å Å SIGNATURES Å Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized. Å Å PRECISION OPTICS CORPORATION, INC. Å Å Date: November 14, 2024 By: /s/ Joseph N. Forkey Å Joseph N. Forkey Å Chief Executive Officer (Principal Executive Officer) Å Å Å Date: November 14, 2024 By: /s/ Wayne M. Coll Å Wayne M. Coll Å Chief Financial OfficerÅ (Principal Financial Officer and Principal Accounting Officer) Å Å Å Å 20Å EX-31.1 2 poci_ex3101.htm CERTIFICATION OF CHIEF EXECUTIVE OFFICER Exhibit 31.1 Å CERTIFICATION OF CHIEF EXECUTIVE OFFICER PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 (18 U.S.C. SECTION 1350) Å I, Joseph N. Forkey, certify that: Å 1. I have reviewed this Quarterly Report on Form 10-Q of Precision Optics Corporation, Inc. for the quarter ended September 30, 2024. Å 2. 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; Å 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition,

results of operations and cash flows of the registrant as of, and for, the periods presented in this report; Â 4. The registrant's other certifying officer and I are 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: Â (a) 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; Â (b) Designed 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; Â (c) 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 Â (d) 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 Â 5. 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): Â (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and Â (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. Â By: /s/ Joseph N. Forkey Date: November 14, 2024 Â Joseph N. Forkey Â Chief Executive Officer Â (Principal Executive Officer) Â EX-31.2 3 poci ex3102.htm CERTIFICATION OF CHIEF FINANCIAL OFFICER Exhibit 31.2 Â Â CERTIFICATION OF CHIEF FINANCIAL OFFICER PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 (18 U.S.C. SECTION 1350) Â I, Wayne M. Coll, certify that: Â 1. I have reviewed this Quarterly Report on Form 10-Q of Precision Optics Corporation, Inc. for the quarter ended September 30, 2024; Â 2. 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; Â 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; Â 4. The registrant's other certifying officer and I are 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: Â (a) 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; Â (b) Designed 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; Â (c) 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 Â (d) 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 Â 5. 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): Â (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and Â (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. Â By: /s/ Wayne M. Coll Date: November 14, 2024 Â Wayne M. Coll Â Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer) Â EX-32.1 4 poci ex3202.htm CERTIFICATION OF OFFICERS Exhibit 32.1 Â CERTIFICATION OF OFFICERS PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002 (18 U.S.C. SECTION 1350) Â Pursuant to section 906 of the Sarbanes-Oxley Act of 2002 (subsections (a) and (b) of section 1350, chapter 63 of title 18, United States Code), the undersigned officers of Precision Optics Corporation, Inc., a Massachusetts corporation (the "Company"), do hereby certify, to such officers' knowledge, that: Â The Quarterly Report on Form 10-Q for the quarter ended September 30, 2024 (the "Form 10-Q") of the Company fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, and the information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: November 14, 2024 By: /s/ Joseph N. Forkey Â Joseph N. Forkey Â Chief Executive Officer Â (Principal Executive Officer) Â Â Â Â Date: November 14, 2024 By: /s/ Wayne M. Coll Â Wayne M. Coll Â Chief Financial Officer Â (Principal Financial Officer and Principal Accounting Officer) Â A signed original of this written statement required by Section 906 has been provided to Precision Optics Corporation, Inc. and will be retained by Precision Optics Corporation, Â Inc. and furnished to the Securities and Exchange Commission or its staff upon request. Â EX-101.SCH 5 poci-20240930.xsd XBRL SCHEMA FILE 000000001 - Document - Cover link:presentationLink link:calculationLink link:definitionLink 000000002 - Statement - CONSOLIDATED BALANCE SHEETS (UNAUDITED) link:presentationLink link:calculationLink link:definitionLink 000000003 - Statement - CONSOLIDATED BALANCE SHEETS (UNAUDITED) (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 000000004 - Statement - CONSOLIDATED STATEMENTS OF OPERATIONS (UNAUDITED) link:presentationLink link:calculationLink link:definitionLink 000000005 - Statement - CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY (UNAUDITED) link:presentationLink link:calculationLink link:definitionLink 000000006 - Statement - CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) link:presentationLink link:calculationLink link:definitionLink 995612 - Disclosure - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES link:presentationLink link:calculationLink link:definitionLink 995613 - Disclosure - INVENTORIES link:presentationLink link:calculationLink link:definitionLink 995614 - Disclosure - BANK FINANCING ACTIVITIES link:presentationLink link:calculationLink link:definitionLink 995615 - Disclosure - LEASE OBLIGATIONS link:presentationLink link:calculationLink link:definitionLink 995616 - Disclosure - STOCK-BASED COMPENSATION link:presentationLink link:calculationLink link:definitionLink 995617 - Disclosure - REVENUE RECOGNITION link:presentationLink link:calculationLink link:definitionLink 995618 - Disclosure - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Policies) link:presentationLink link:calculationLink link:definitionLink 995619 - Disclosure - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Tables) link:presentationLink link:calculationLink link:definitionLink 995620 - Disclosure - INVENTORIES (Tables) link:presentationLink link:calculationLink link:definitionLink 995621 - Disclosure - BANK FINANCING ACTIVITIES (Tables) link:presentationLink link:calculationLink link:definitionLink 995622 - Disclosure - LEASE OBLIGATIONS (Tables) link:presentationLink link:calculationLink link:definitionLink 995623 - Disclosure - STOCK-BASED COMPENSATION (Tables) link:presentationLink link:calculationLink link:definitionLink 995624 - Disclosure - REVENUE RECOGNITION (Tables) link:presentationLink link:calculationLink link:definitionLink 995625 - Disclosure - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Details - Income loss per share) link:presentationLink link:calculationLink link:definitionLink 995626 - Disclosure - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 995627 - Disclosure - INVENTORIES (Details) link:presentationLink link:calculationLink link:definitionLink 995628 - Disclosure - BANK FINANCING ACTIVITIES (Details - Long term debt) link:presentationLink link:calculationLink link:definitionLink 995629 - Disclosure - BANK FINANCING ACTIVITIES (Details - Principal payments) link:presentationLink link:calculationLink link:definitionLink 995630 - Disclosure - BANK FINANCING ACTIVITIES (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 995631 - Disclosure - LEASE OBLIGATIONS (Details - Future minimum lease payments) link:presentationLink link:calculationLink link:definitionLink 995632 - Disclosure - LEASE OBLIGATIONS (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 995633 - Disclosure - STOCK-BASED COMPENSATION (Details) link:presentationLink link:calculationLink link:definitionLink 995634 - Disclosure - STOCK-BASED COMPENSATION (Details - Option activity) link:presentationLink link:calculationLink link:definitionLink 995635 - Disclosure - STOCK-BASED COMPENSATION (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 995636 - Disclosure - REVENUE RECOGNITION (Details - Revenue) link:presentationLink link:calculationLink link:definitionLink 995637 - Disclosure - REVENUE RECOGNITION (Details - Contract liabilities) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 6 poci-20240930_cal.xml XBRL CALCULATION FILE EX-101.DEF 7 poci-20240930_def.xml XBRL DEFINITION FILE EX-101.LAB 8 poci-20240930_lab.xml XBRL LABEL FILE Equity Components [Axis] Common Stock [Member] Additional Paid-in Capital [Member] Retained Earnings [Member] Long-Term Debt, Type [Axis] Main Street Bank [Member] Debt Instrument [Axis] Revolver [Member] Main Street Bank 1 [Member] Long-Lived Tangible Asset [Axis] Manufacturing Equipment [Member] Property Subject to or Available for Operating Lease [Axis] El Paso Texas [Member] Windham Maine [Member] Gardner Massachusetts Office [Member] Major Property Class [Axis] Capital Lease Obligations [Member] Operating Lease [Member] Award Type [Axis] Equity Option [Member] Statement of Income Location, Balance [Axis] Cost of Sales [Member] Selling, General and Administrative Expenses [Member] Product and Service [Axis] Engineering Design Services [Member] Optical Components [Member] Medical Device Products And Assemblies [Member] Cover [Abstract] Document Type Amendment Flag Amendment Description Document Registration Statement Document Annual Report Document Quarterly Report Document Transition Report Document Shell Company Report Document Shell Company Event Date Document Period Start Date Document Period End Date Document Fiscal Period Focus Document Fiscal Year Focus Current Fiscal Year End Date Entity File Number Entity Registrant Name Entity Central Index Key Entity Primary SIC Number Entity Tax Identification Number Entity Incorporation, State or Country Code Entity Address, Address Line One Entity Address, Address Line Two Entity Address, Address Line Three Entity Address, City or Town Entity Address, State or Province Entity Address, Country Entity Address, Postal Zip Code Country Region City Area Code Local Phone Number Extension Written Communications Soliciting Material Pre-commencement Tender Offer Pre-commencement Issuer Tender Offer Title of 12(b) Security No Trading Symbol Flag Trading Symbol Security Exchange Name Title of 12(g) Security Security Reporting Obligation Annual Information Form Audited Annual Financial Statements Entity Well-known Seasoned Issuer Entity Voluntary Filers Entity Current Reporting Status Entity Interactive Data Current Entity Filer Category Entity Small Business Entity Emerging Growth Company Elected Not To Use the Extended Transition Period Document Accounting Standard Other Reporting Standard Item Number Entity Shell Company Entity Public Float Entity Bankruptcy Proceedings, Reporting Current Entity Common Stock, Shares Outstanding Documents Incorporated by Reference [Text Block] Statement of Financial Position [Abstract] ASSETS Current Assets: Cash and cash equivalents Accounts receivable, net of allowance for doubtful accounts of \$103,224 at September 30, 2024 and \$118,872 at June 30, 2024 Inventories Prepaid expenses Total current assets Fixed Assets: Machinery and equipment Leasehold improvements Furniture and fixtures Total fixed assets Less accumulated depreciation and amortization Net fixed assets Operating lease right-to-use asset Patents, net Goodwill Total other assets TOTAL ASSETS LIABILITIES AND STOCKHOLDERS' EQUITY Current Liabilities: Revolving line of credit Current portion of capital lease obligation Current maturities of long-term debt Accounts payable Contract liabilities Accrued compensation and other Operating lease liability Total current liabilities Capital lease obligation, net of current portion Long-term debt, net of current maturities and debt issuance costs Operating lease liability, net of current portion Total liabilities Stockholders' Equity: Common stock, \$0.01 par value: 50,000,000 shares authorized; issued and outstanding 6,350,170 shares at September 30, 2024 and 6,073,939 at June 30, 2024 Additional paid-in capital Accumulated deficit Total stockholders' equity TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY Accounts receivable, net of allowance for doubtful losses Common stock, par value Common stock, shares authorized Common stock, shares issued Common stock, shares outstanding Income Statement [Abstract] Revenues Cost of Goods Sold Gross Profit Research and Development Expenses Selling, General and Administrative Expenses Total Operating Expenses Operating Loss Interest Expense Net Loss Loss Per Share: Loss per share, Basic Loss per share, Fully diluted Weighted Average Common Shares Outstanding: Weighted average common shares outstanding, Basic Weighted average common shares outstanding, Fully diluted Statement [Table] Statement [Line Items] Beginning balance, value Beginning balance, shares Issuance of common stock in registered direct offering Issuance of common stock in registered direct offering, shares Proceeds from exercise of stock option Proceeds from exercise of stock option, shares Stock-based compensation Net loss Ending balance, value Ending balance, shares Statement of Cash Flows [Abstract] Cash Flows from Operating Activities: Net Loss Adjustments to reconcile net loss to net cash used in by operating activities - Depreciation and amortization Stock-based compensation expense Non-cash interest expense Changes in operating assets and liabilities - Accounts receivable, net Inventories, net Prepaid expenses Accounts payable Contract liabilities Accrued compensation and other Net cash used in operating activities Cash Flows from Investing Activities: Purchases of fixed assets Additional patent costs Net cash used in investing activities Cash Flows from Financing Activities: Payments of capital lease obligations Payments of long-term debt Payment of debt modification costs Payment on revolving line of credit Proceeds from registered direct sale of common stock, net Gross proceeds from the exercise of stock options Net cash provided by (used in) financing activities Net increase(decrease) in cash and cash equivalents Cash and cash equivalents, beginning of period Cash and cash equivalents, end of period Pay vs Performance Disclosure [Table] Executive Category [Axis] Individual [Axis] Adjustment to Compensation [Axis] Measure [Axis] Pay vs Performance Disclosure, Table Company Selected Measure Name Named Executive Officers, Footnote Peer Group Issuers, Footnote Changed Peer Group, Footnote PEO Total Compensation Amount PEO Actually Paid Compensation Amount Adjustment to PEO Compensation, Footnote Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Compensation Actually Paid Amount Adjustment to Non-PEO NEO Compensation Footnote Equity Valuation Assumption Difference, Footnote Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Company Selected Measure Total Shareholder Return Vs Peer Group Compensation Actually Paid vs. Other Measure Tabular List, Table Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Net Income (Loss) Company Selected Measure Amount Other Performance Measure, Amount Adjustment to Compensation, Amount PEO Name Name Non-GAAP Measure Description Additional 402(v) Disclosure Pension Benefits Adjustments, Footnote Erroneously Awarded Compensation Recovery [Table] Restatement Determination Date [Axis] Restatement Determination Date Aggregate Erroneous Compensation Amount Erroneous Compensation Analysis Stock Price or TSR Estimation Method Outstanding Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Not Yet Determined Name Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery, Explanation of Impracticability Name Compensation Amount Restatement does not require Recovery Awards Close in Time to MNPI Disclosures [Table] Award Timing MNPI Disclosure Award Timing Method Award Timing Predetermined Award

Timing MNPI Considered Award Timing, How MNPI Considered MNPI Disclosure Timed for Compensation Value Awards Close in Time to MNPI Disclosures, Table Name Underlying Securities Exercise Price Fair Value as of Grant Date Underlying Security Market Price Change Insider Trading Arrangements [Line Items] Material Terms of Trading Arrangement Name Title Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted Adoption Date Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated Termination Date Expiration Date Arrangement Duration Insider Trading Policies and Procedures [Line Items] Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Not Adopted Accounting Policies [Abstract] SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES Inventory Disclosure [Abstract] INVENTORIES Debt Disclosure [Abstract] BANK FINANCING ACTIVITIES Lease Obligations LEASE OBLIGATIONS Equity [Abstract] STOCK-BASED COMPENSATION Revenue from Contract with Customer [Abstract] REVENUE RECOGNITION Principles of Consolidation and Operations Use of Estimates Income (Loss) Per Share Income Taxes Goodwill and Patents Schedule of income loss per share Schedule of inventories Schedule of long-term debt Schedule of principal payments due on term loan note payable Schedule of future minimum lease payments under capital lease and operating lease obligations Schedule of stock-based compensation expense Schedule of stock option activity Schedule of disaggregation of revenues Schedule of contract liabilities Net Income (Loss) Basic Net Income (Loss) Fully Diluted Weighted Average Shares Outstanding, Basic Weighted Average Shares Outstanding, Fully Diluted Loss Per Share - Basic Loss Per Share - Fully Diluted Antidilutive weighted average shares outstanding Impairments of goodwill or patents Raw Materials Work-In-Progress Finished Goods Total Inventories Term loan note payable Working capital loan payable Less current maturities Less debt issuance costs, net of accumulated amortization Long-term debt, net of current portion of debt issuance costs 2025 2026 2027 2028 2029 Total long-term debt Schedule of Long-Term Debt Instruments [Table] Debt Instrument [Line Items] Term loan line of credit bear interest rate Revolving line of credit balance Credit line remaining borrowing capacity Debt periodic payment term Debt instrument periodic payment Interest rate Term loan maturity Accumulated amortization of debt issuance costs 2025 2025 2026 2026 Total minimum payments, capital leases Total minimum payments, operating leases Less: amount representing interest, capital leases Less: amount representing interest, operating leases Present value of minimum lease payments, capital leases Present value of minimum lease payments, operating leases Less: current portion, capital leases Less: current portion, operating leases Lease Obligation, net of current portion, capital leases Lease Obligation, net of current portion, operating leases Property, Plant and Equipment [Table] Property, Plant and Equipment [Line Items] Capital lease obligation Net book value of fixed assets under capital lease obligations Lease payments Operating lease expense Operating lease, right-of-use asset Operating lease, liability current Stock based compensation expense Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Number of stock options outstanding - at beginning Weighted average exercise price options outstanding- at beginning Weighted average contractual life Number of stock options exercised Weighted average exercise price - exercised Number of stock options cancelled, forfeited, or expired Weighted average exercise price cancelled, forfeited, or expired Number of stock options outstanding - at ending Weighted average exercise price options outstanding- at ending Weighted average contractual life Reverse stock split Aggregate intrinsic value outstanding Aggregate intrinsic value exercisable Disaggregation of Revenue [Table] Disaggregation of Revenue [Line Items] Contract liabilities, beginning of period Unearned revenue received from customers Revenue recognized Contract liabilities, end of period Assets, Current Property, Plant and Equipment, Gross Property, Plant and Equipment, Net Other Assets Assets Liabilities, Current Liabilities Equity, Attributable to Parent Liabilities and Equity Gross Profit Operating Expenses Operating Income (Loss) Interest Expense, Nonoperating Shares, Outstanding Increase (Decrease) in Accounts Receivable Increase (Decrease) in Inventories Increase (Decrease) in Prepaid Expense Increase (Decrease) in Accounts Payable Increase (Decrease) in Contract with Customer, Liability Increase (Decrease) in Deferred Compensation Net Cash Provided by (Used in) Operating Activities Payments to Acquire Property, Plant, and Equipment Payments to Acquire Intangible Assets Net Cash Provided by (Used in) Investing Activities Repayments of Debt and Lease Obligation Repayments of Long-Term Debt Payments of Debt Restructuring Costs Repayments of Lines of Credit Net Cash Provided by (Used in) Financing Activities Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Excluding Exchange Rate Effect Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Forgone Recovery, Individual Name Outstanding Recovery, Individual Name Awards Close in Time to MNPI Disclosures, Individual Name Trading Arrangement, Individual Name Debt Instrument, Unamortized Discount (Premium) and Debt Issuance Costs, Net Finance Lease, Liability, to be Paid, Year One Lessee, Operating Lease, Liability, to be Paid, Year One Finance Lease, Liability, to be Paid, Year Two Lessee, Operating Lease, Liability, to be Paid, Year Two Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures in Period Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term EX-101.PRE 9 poci-20240930_pre.xml XBRL PRESENTATION FILE XML 11 R1.htm IDEA: XBRL DOCUMENT v3.24.3 Cover - shares 3 Months Ended Sep. 30, 2024 Nov. 12, 2024 Cover [Abstract] A Document Type 10-Q A Amendment Flag false A Document Quarterly Report true A Document Transition Report false A Document Period End Date Sep. 30, 2024 A Document Fiscal Period Focus Q1 A Document Fiscal Year Focus 2025 A Current Fiscal Year End Date -06-30 A Entity File Number 001-10647 A Entity Registrant Name PRECISION OPTICS CORPORATION, INC. A Entity Central Index Key 0000867840 A Entity Tax Identification Number 04-2795294 A Entity Incorporation, State or Country Code MA A Entity Address, Address Line One 22 East Broadway A Entity Address, City or Town Gardner A Entity Address, State or Province MA A Entity Address, Postal Zip Code 01440-3338 A City Area Code 978 A Local Phone Number 630-1800 A Trading Symbol POCI A Security Exchange Name NASDAQ A Title of 12(g) Security Common Stock, \$0.01 par value A Entity Current Reporting Status Yes A Entity Interactive Data Current Yes A Entity Filer Category Non-accelerated Filer A Entity Small Business true A Entity Emerging Growth Company false A Entity Shell Company false A Entity Common Stock, Shares Outstanding 6,350,170 X - Definition Boolean flag that is true when the XBRL content amends previously-filed or accepted submission. + References No definition available. + Details Name: dei_AmendmentFlag Namespace Prefix: dei_Data Type: xbrli:booleanItem Type Balance Type: na Period Type: duration X - Definition Area code of city + References No definition available. + Details Name: dei_CityAreaCode Namespace Prefix: dei_Data Type: xbrli:normalizedStringItem Type Balance Type: na Period Type: duration X - Definition Cover page. + References No definition available. + Details Name: dei_CoverAbstract Namespace Prefix: dei_Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition End date of current fiscal year in the format -MM-DD. + References No definition available. + Details Name: dei_CurrentFiscalYearEndDate Namespace Prefix: dei_Data Type: xbrli:gMonthDayItem Type Balance Type: na Period Type: duration X - Definition 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. + References No definition available. + Details Name: dei_DocumentFiscalPeriodFocus Namespace Prefix: dei_Data Type: dei:fiscalPeriodItem Type Balance Type: na Period Type: duration X - Definition 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. + References No definition available. + Details Name: dei_DocumentFiscalYearFocus Namespace Prefix: dei_Data Type: xbrli:gYearItem Type Balance Type: na Period Type: duration X - Definition 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. + References No definition available. + Details Name: dei_DocumentPeriodEndDate Namespace Prefix: dei_Data Type: xbrli:dateItem Type Balance Type: na Period Type: duration X - Definition Boolean flag that is true only for a form used as an quarterly report. + References Reference 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 - Definition Boolean flag that is true only for a form used as a transition report. + References Reference 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:booleanItem Type Balance Type: na Period Type: duration X - Definition 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'. + References No definition available. + Details Name: dei_DocumentType Namespace Prefix: dei_Data Type: dei:submissionTypeItem Type Balance Type: na Period Type: duration X - Definition Address Line 1 such as Attn, Building Name, Street Name + References No definition available. + Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_Data Type: xbrli:normalizedStringItem Type Balance Type: na Period Type: duration X - Definition Name of the City or Town + References No definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_Data Type: xbrli:normalizedStringItem Type Balance Type: na Period Type: duration X - Definition Code for the postal or zip code + References No definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_Data Type: xbrli:normalizedStringItem Type Balance Type: na Period Type: duration X - Definition Name of the state or province. + References No definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_Data Type: dei:stateOrProvinceItem Type Balance Type: na Period Type: duration X - Definition A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_Data Type: dei:centralIndexKeyItem Type Balance Type: na Period Type: duration X - Definition 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. + References No definition available. + Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_Data Type: xbrli:sharesItem Type Balance Type: na Period Type: instant X - Definition 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. + References No definition available. + Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_Data Type: dei:yesNoItem Type Balance Type: na Period Type: duration X - Definition Indicate if registrant meets the emerging growth company criteria. + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_Data Type: xbrli:booleanItem Type Balance Type: na Period Type: duration X - Definition 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. + References No definition available. + Details Name: dei_EntityFileNumber Namespace Prefix: dei_Data Type: dei:fileNumberItem Type Balance Type: na Period Type: duration X - Definition 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. + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityFilerCategory Namespace Prefix: dei_Data Type: dei:filerCategoryItem Type Balance Type: na Period Type: duration X - Definition Two-character EDGAR code representing the state or country of incorporation. + References No definition available. + Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_Data Type: dei:edgarStateCountryItem Type Balance Type: na Period Type: duration X - Definition Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405 + Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_Data Type: dei:yesNoItem Type Balance Type: na Period Type: duration X - Definition The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityRegistrantName Namespace Prefix: dei_Data Type: xbrli:normalizedStringItem Type Balance Type: na Period Type: duration X - Definition Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityShellCompanyName Namespace Prefix: dei_Data Type: xbrli:booleanItem Type Balance Type: na Period Type: duration X - Definition Indicates that the company is a Smaller Reporting Company (SRC). + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_Data Type: xbrli:booleanItem Type Balance Type: na Period Type: duration X - Definition The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_Data Type: dei:employerIdItem Type Balance Type: na Period Type: duration X - Definition Local phone number for entity. + References No definition available. + Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_Data Type: xbrli:normalizedStringItem Type Balance Type: na Period Type: duration X - Definition Title of a 12(g) registered security. + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection g + Details Name: dei_Security12gTitle Namespace Prefix: dei_Data Type: dei:securityTitleItem Type Balance Type: na Period Type: duration X - Definition Name of the Exchange on which a security is registered. + References Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1 + Details Name: dei_SecurityExchangeName Namespace Prefix: dei_Data Type: dei:edgarExchangeCodeItem Type Balance Type: na Period Type: duration X - Definition Trading symbol of an instrument as listed on an exchange. + References No definition available. + Details Name: dei_TradingSymbol Namespace Prefix: dei_Data Type: dei:tradingSymbolItem Type Balance Type: na Period Type: duration XML 12 R2.htm IDEA: XBRL DOCUMENT v3.24.3 CONSOLIDATED BALANCE SHEETS (UNAUDITED) - USD (\$) Sep. 30, 2024 Jun. 30, 2024 Current Assets: A Cash and cash equivalents \$ 635,572 \$ 405,278 Accounts receivable, net of allowance for doubtful accounts of \$103,224 at September 30, 2024 and \$118,872 at June 30, 2024 3,123,595 3,545,491 Inventories 3,460,621 2,868,100 Prepaid expenses 288,475 299,364 Total current assets 7,508,263 7,118,233 Fixed Assets: A Machinery and equipment 3,346,694 3,341,194 Leasehold improvements 819,954 810,914 Furniture and fixtures 426,234 416,425 Total fixed assets 4,592,882 4,568,533 Less accumulated depreciation and amortization 4,123,250 4,074,960 Net fixed assets 469,632 493,573 Operating lease right-to-use asset 146,247 189,999 Patents, net 290,309 286,559 Goodwill 8,824,210 8,824,210 Total other assets 9,260,766 9,300,768 TOTAL ASSETS 17,238,661 16,912,574 Current Liabilities: A Revolving line of credit 500,000 1,000,000 Current portion of capital lease obligation 38,886 41,113 Current maturities of long-term debt 285,901 276,928 Accounts payable 2,143,351 1,397,313 Contract liabilities 1,106,546 1,172,350 Accrued compensation and other 1,115,135 840,662

210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI

Adjustments to reconcile net loss to net cash used in by operating activities - $\text{\AA}$ $\text{\AA}$ Depreciation and amortization 48,290,51,564 Stock-based compensation expense 149,254 108,746 Non-cash interest expense 4,376 4,376 Changes in operating assets and liabilities - $\text{\AA}$ $\text{\AA}$ Accounts receivable, net 421,896 (625,719) Inventories, net (592,521) (194,995) Prepaid expenses 10,889 (112,120) Accounts payable 746,038 (698,603) Contract liabilities (65,804) 250,293 Accrued compensation and other 270,097 307,884 Net cash used in operating activities (318,622) (1,372,989) Cash Flows from Investing Activities: $\text{\AA}$ $\text{\AA}$ Purchases of fixed assets (24,349) (30,770) Additional patent costs (3,750) (12,747) Net cash used in investing activities (28,099) (43,517) Cash Flows from Financing Activities: $\text{\AA}$ $\text{\AA}$ Payments of capital lease obligations (11,212) (10,562) Payments of long-term debt (128,315) (128,315) Payment of debt modification costs (15,000) 0 Payment on revolving line of credit (500,000) 0 Proceeds from registered direct sale of common stock, net 1,204,542 0 Gross proceeds from the exercise of stock options 27,000 0 Net cash provided by (used in) financing activities 577,015 (138,876) Net increase(decrease) in cash and cash equivalents 230,294 (1,555,383) Cash and cash equivalents, beginning of period 405,278 2,925,852 Cash and cash equivalents, end of period $\text{\$}$ 635,572 $\text{\$}$ 1,370,469 X - ReferencesNo definition available. + Details Name: us-gaap_AdjustmentsNoncashItemsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of noncash expense included in interest expense to amortize debt discount and premium associated with the related debt instruments. Excludes amortization of financing costs. Alternate captions include noncash interest expense. + 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](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://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SX 210.5-03\(8\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2)Reference 3: [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/1943274/2147481139/470-20-50-1F](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/1943274/2147481139/470-20-50-1F)Reference 4: <http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-3> + Details Name: us-gaap_AmortizationOfDebtDiscountPremium Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8>Reference 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/1943274/2147482740/230-10-45-24>Reference 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_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) in cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; excluding 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 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24>Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 230 -Topic 830 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1> + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseExcludingExchangeRateEffect 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/1943274/2147482740/230-10-45-28](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 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48>Reference 3: <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/1943274/2147482785/280-10-55-49>Reference 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/1943274/2147482964/270-10-50-1](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/1943274/2147482964/270-10-50-1)Reference 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](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)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph \(d\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22](http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (d) -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 - DefinitionThe increase (decrease) during the reporting period in the aggregate amount of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. + 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](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_IncreaseDecreaseInAccountsPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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. + 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](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_IncreaseDecreaseInAccountsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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.xbrl.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/1943274/2147478345/912-310-45-11](http://www.xbrl.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/1943274/2147478345/912-310-45-11)Reference 2: [http://www.xbrl.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](http://www.xbrl.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_IncreaseDecreaseInContractWithCustomerLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the obligation created by employee agreements whereby earned compensation will be paid in the future. + 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](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_IncreaseDecreaseInDeferredCompensation 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](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_IncreaseDecreaseInOtherOperatingAssetsAndLiabilitiesNetAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the amount of outstanding money paid in advance for goods or services that bring economic benefits for future periods. + 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](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_IncreaseDecreaseInPrepaidExpense 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.xbrl.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_NetCashProvidedByUsedInFinancingActivitiesAbstract 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.xbrl.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_NetCashProvidedByUsedInInvestingActivitiesAbstract 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/1943274/2147482740/230-10-45-28>Reference 2: <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_NetCashProvidedByUsedInOperatingActivitiesAbstract 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 \(i\) -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 (i) -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 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](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 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/1943274/2147480175/815-40-65-1](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 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/1943274/2147483443/250-10-50-8>Reference 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/1943274/2147483443/250-10-50-11](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 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/1943274/2147483443/250-10-50-11](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 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/1943274/2147483443/250-10-50-4>Reference 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/1943274/2147479168/946-830-55-10>Reference 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/1943274/2147483443/250-10-50-7>

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.xbrli.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 XML 18 R8.htm IDEA: XBRL DOCUMENT v3.24.3 Insider Trading Arrangements 3 Months Ended Sep. 30, 2024 Insider Trading Arrangements [Line Items] Â Rule 10b5-1 Arrangement Adopted false Non-Rule 10b5-1 Arrangement Adopted false Rule 10b5-1 Arrangement Terminated false Non-Rule 10b5-1 Arrangement Terminated false X - ReferencesReference 1: http://www.xbrli.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a + Details Name: ecd InsiderTradingArrLineItems Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrli.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_NonRule10b51ArrAdoptedFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrli.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_NonRule10b51ArrTrmtdFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrli.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: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrli.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: xbrli:booleanItemType Balance Type: na Period Type: duration XML 19 R9.htm IDEA: XBRL DOCUMENT v3.24.3 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES 3 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES Â 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES Â Principles of Consolidation and Operations Â The accompanying consolidated financial statements include the accounts of Precision Optics Corporation,Â Inc. and its wholly-owned subsidiaries (the “Company”). All significant intercompany accounts and transactions have been eliminated in consolidation. Â These consolidated financial statements have been prepared by the Company, without audit, and reflect normal recurring adjustments which, in the opinion of management, are necessary for a fair statement of the results of the first three months of the Company’s fiscal year 2025. These consolidated financial statements do not include all disclosures associated with annual consolidated financial statements and, accordingly, should be read in conjunction with footnotes contained in the Company’s consolidated financial statements for the year ended June 30, 2024, together with the Report of Independent Registered Public Accounting Firm filed under cover of the Company’s 2024 Annual Report on Form 10-K, filed with the Securities and Exchange Commission on September 30, 2024. Â Use of Estimates Â The preparation of these consolidated financial statements requires the Company to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses. The Company bases its estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates. Â Income (Loss) Per Share Â Basic income (loss) per share is computed by dividing net income or net loss by the weighted average number of shares of common stock outstanding during the period. Diluted income (loss) per share is computed by dividing net income (loss) by the weighted average number of shares of common stock outstanding during the period, plus the number of potentially dilutive securities outstanding during the period such as stock options. For the three months ended September 30, 2024 and 2023, potentially dilutive securities outstanding have been excluded from the computations of weighted-average shares outstanding because such securities have an antidilutive impact due to the net loss reported during those periods. The number of shares issuable upon the exercise of outstanding stock options that were excluded from the computation of fully dilutive weighted average shares outstanding was approximately 1,329,236 for the three months ended September 30, 2024 and 1,123,140 for the three months ended September 30, 2023. Â The following is the calculation of income (loss) per share for the three months ended September 30, 2024 and 2023: Schedule of income loss per shareÂ Â Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Net Income (Loss) Basic and Fully DilutedÂ \$(1,311,247)Â \$(464,415)Â Â Â Â Â Weighted Average Shares OutstandingÂ Â Â Â Â Â Basic & Fully DilutedÂ Â 6,216,630Â Â 6,066,518Â Â Â Â Â Loss Per Share â€” Basic & Fully DilutedÂ \$(0.21)Â Â (0.08)Â Â Income Taxes Â Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases and operating loss and tax credit carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. Â In assessing the likelihood of utilization of existing deferred tax assets, management has considered the historical results of operations and the current operating environment. Based on this evaluation, a full valuation reserve has been provided for the deferred tax assets. Â Goodwill and Patents Â Long-lived assets such as goodwill and patents are capitalized when acquired and reviewed for impairment whenever events or changes in circumstances indicate that the book value of the asset may not be recoverable. Impairment of the carrying value of long-lived assets such as goodwill and patents would be indicated if the best estimate of future undiscounted cash flows expected to be generated by the asset grouping is less than its carrying value. If an impairment is indicated, any loss is measured as the difference between estimated fair value and carrying value and is recognized in operating income or loss. Assets to be disposed of are reported at the lower of the carrying amount or fair value less costs to sell. No such impairments of goodwill or patents have been estimated by management as of September 30, 2024. Â X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for all significant accounting policies of the reporting entity. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-1Reference 2: 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_SignificantAccountingPoliciesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 20 R10.htm IDEA: XBRL DOCUMENT v3.24.3 INVENTORIES 3 Months Ended Sep. 30, 2024 Inventory Disclosure [Abstract] Â INVENTORIES Â 2. INVENTORIES Â Inventories are stated at the lower of cost (first-in, first-out) or market and consisted of the following: Schedule of inventoriesÂ Â Â Â Â Â September 30, 2024Â Â June 30, 2024Â Raw MaterialsÂ \$1,965,096Â Â \$1,570,135Â Work-In-ProgressÂ Â 153,223Â Â 157,406Â Finished GoodsÂ Â 1,342,302Â Â 1,140,559Â Total InventoriesÂ \$3,460,621Â Â \$2,868,100Â Â X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory. + ReferencesReference 1: http://www.xbrli.org/2003/role/disclosureRef -Topic 330 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/330/tableOfContent + Details Name: us-gaap_InventoryDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 21 R11.htm IDEA: XBRL DOCUMENT v3.24.3 BANK FINANCING ACTIVITIES 3 Months Ended Sep. 30, 2024 Debt Disclosure [Abstract] Â BANK FINANCING ACTIVITIES Â 3. BANK FINANCING ACTIVITIES Â Bank Line of Credit Â On October 4, 2021, the Company entered into a Loan Agreement with Main Street Bank of Marlborough, Massachusetts, which provided for a \$2,600,000 Term Loan and a \$250,000 Revolving Line of Credit Loan Facility (the “Revolver”), which was increased to \$500,000 effective May 17, 2022, and \$1,250,000 effective June 2, 2023. Borrowings under the Revolver are limited by the borrowing base comprised of a percentage of accounts receivable and inventory and secured by all assets of the Company. Borrowings under the Revolver will bear interest payable monthly at the prime lending rate plus 1.5% per annum and shall not be less than 4.75% per annum. Borrowings under the Revolver are due upon demand. Borrowings under the Revolver at September 30, 2024 were \$500,000, with \$750,000 remaining available for use. Â The Company’s Loan Agreement with the Lender contains a minimum annual debt service coverage ratio covenant of 1.2x, for the period ending June 30, 2024. The Company did not meet this annual debt service coverage ratio as of such fiscal year end date. The Company’s Lender has agreed to waive compliance with such debt service ratio covenant for the period ending June 30, 2024. In addition to such waiver, the Lender and the Company have entered into an amendment dated September 30, 2024 to that certain Term Loan dated October 4, 2021, as amended and that certain Promissory Note dated June 2, 2023 (collectively, the “Notes”) which amendments provide for a six month period of interest only payments from October 15, 2024 through March 15, 2025 for the Notes. The Company will begin to pay principal and interest under the Notes beginning with the payments due on April 15, 2025, with a new amortization schedule for the remaining term for such Notes through their maturity date. There were no other changes to or modifications to the Loan Agreement or the Notes. Â Long-Term Debt Â Long-term debt consists of the following at September 30, 2024: Schedule of long-term debtÂ Â Â Â AmountÂ Term Loan Note payable to Main Street Bank with monthly principal payments of \$35,173, excluding six months in Fiscal 2025, plus interest at a fixed rate of 7.0% per annum. Secured by all assets of the Company, and subject to certain periodic reporting to the bank and other conditions including an annual minimum EBITDA plus stock-based compensation to debt service coverage ratio of 1.20:1 commencing with the fiscal year ending June 30, 2023. The Term Loan Note matures on October 15, 2028.Â \$1,516,667Â Â Â Â Permanent Working Capital Loan payable to Main Street Bank with monthly principal payments of \$14,375, excluding six months in Fiscal 2025, plus interest at a fixed rate of 8.625% per annum. Secured by all assets of the Company, and subject to certain periodic reporting to the bank and other conditions including an annual minimum EBITDA plus stock-based compensation to debt service coverage ratio of 1.20:1 commencing with the fiscal year ending June 30, 2023. The Permanent Working Capital Loan matures on June 15, 2028.Â Â 562,500Â Â Â Â Less current maturitiesÂ Â (285,901) Less debt issuance and modification costs, net of accumulated amortization of \$18,736Â Â (46,502) Long-term debt, net of current maturities and debt issuance costsÂ \$1,746,764Â Â At September 30, 2024 principal payments due on the Term Loan Note payable are as follows: Schedule of principal payments due on term loan note payableÂ Â Â Â Â Fiscal Year Ending June 30:Â Â Â 2025Â \$148,644Â 2026Â Â 594,578Â 2027Â Â 594,578Â 2028Â Â 594,578Â 2029Â Â 146,789Â Total long-term debtÂ \$2,079,167Â Â X - ReferencesNo definition available. + Details Name: us-gaap_DebtDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants. + ReferencesReference 1: http://www.xbrli.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/1943274/2147481544/470-10-50-6Reference 2: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 3: http://www.xbrli.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 4: http://www.xbrli.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 5: http://www.xbrli.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 6: http://www.xbrli.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 7: http://www.xbrli.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 8: http://www.xbrli.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 9: http://www.xbrli.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 470 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/470/tableOfContentReference 11: http://www.xbrli.org/2003/role/disclosureRef -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 12: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 16: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 17: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 18: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 19: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 20: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 21: http://www.xbrli.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (d) -

Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-11 + Details Name: us-gaap DebtDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 22 R12.htm IDEA: XBRL DOCUMENT v3.24.3 LEASE OBLIGATIONS 3 Months Ended Sep 30, 2024 Lease Obligations Å LEASE OBLIGATIONS Å 4. LEASE OBLIGATIONS Å In March 2021 the Company entered into a five-year capital lease in the amount of \$161,977 for manufacturing equipment. In January 2020, the Company entered into a five-year capital lease for \$47,750 for manufacturing equipment. The net book value of fixed assets under capital lease obligations as of September 30, 2024 is \$51,776. Å Å On July 1, 2019, the Company entered into a three-year operating lease for its facility in El Paso, Texas, and in February 2022 extended the lease through June 2025. Remaining minimum lease payments at September 30, 2024 total \$34,060. Total rent expense including base rent and common area expenses was \$16,340 and \$15,973 during the three months ended September 30, 2024 and 2023, respectively. Å On October 4, 2021, the Company assumed the remaining term of the Windham, Maine lease as part of the Lighthouse acquisition. The lease expires on July 31, 2025. Remaining minimum lease payments on September 30, 2024 total \$112,187. Total rent expense including base rent and common area expenses was \$34,432 during both the three months ended September 30, 2024 and 2023. Included in the accompanying balance sheet at September 30, 2024 is a right-of-use asset of \$146,247 and current right-of-use operating lease liabilities of \$146,247. Å At September 30, 2024 future minimum lease payments under the capital lease and operating lease obligations are as follows: Schedule of future minimum lease payments under capital lease and operating lease obligationsÅ Å Å Å Å Fiscal Year Ending June 30Å Å Capital LeasesÅ Å Operating LeaseÅ 2025Å \$31,764Å Å \$137,950Å 2026Å Å \$28,004Å Å \$11,478Å Total Minimum PaymentsÅ Å 59,768Å Å Å 149,428Å Less: amount representing interestÅ Å 2,498Å Å 2,498Å Å 3,181Å Present value of minimum lease paymentsÅ Å 57,270Å Å Å 146,247Å Less: current portionÅ Å 38,886Å Å Å 146,247Å Lease Obligation, net of current portionÅ \$18,384Å Å \$æ"Å Å The Companyæ"™s four facilities in Gardner, Massachusetts which are used for offices, production and storage spaces are leased primarily on a tenant-at-will basis. Rent expense on these operating leases was \$51,797 and \$48,799 for the three months ended September 30, 2024 and 2023, respectively. Å X - ReferencesNo definition available. + Details Name: POCI_DisclosureLeaseObligationsAbstract Namespace Prefix: POCI_ Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: POCI_LeaseObligationTextBlock Namespace Prefix: POCI_ Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 23 R13.htm IDEA: XBRL DOCUMENT v3.24.3 STOCK-BASED COMPENSATION 3 Months Ended Sep. 30, 2024 Equity [Abstract] Å STOCK-BASED COMPENSATION Å 5. STOCK-BASED COMPENSATION Å The following table summarizes stock-based compensation expense for the three months ended September 30, 2024 and 2023. The share amounts and prices shown below reflect adjustment for a 1-for-3 reverse stock split that took effect after the close of business on November 1, 2022. Schedule of stock-based compensation expenseÅ Å Å Å Å Three Months Ended September 30, Å Å 2024Å Å 2023Å Cost of Goods SoldÅ \$39,226Å Å \$22,625Å Selling, General and AdministrativeÅ Å 110,138Å Å Å 86,121Å Stock Based Compensation ExpenseÅ \$149,364Å Å \$108,746Å Å No compensation has been capitalized because such amounts would have been immaterial. Å The following tables summarize stock option activity for the three months ended September 30, 2024: Schedule of stock option activityÅ Å Å Å Å Å Å Å Options OutstandingÅ Å Number of SharesÅ Å Weighted Average Exercise PriceÅ Å Weighted Average Contractual LifeÅ Outstanding at June 30, 2024Å Å 1,357,735Å Å 4.72Å Å Å 6.60 yearsÅ ExercisedÅ Å (10,999)Å Å 2.81Å Å Å æ"Å Cancelled, forfeited, or expiredÅ Å (17,500)Å Å 4.62Å Å Å Å Outstanding at September 30, 2024Å Å 1,329,236Å Å 4.72Å Å Å 6.35 yearsÅ Å The aggregate intrinsic value of the Companyæ"™s in-the-money outstanding and exercisable options as of September 30, 2024 were \$1,533,439 and \$1,511,239, respectively. Å X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for equity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-6Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480237/815-40-50-6Reference 8: http://www.xbrl.org/2003/role/disclosureRef -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 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(e)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/505/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 16 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-16Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18 + Details Name: us-gaap_StockholdersEquityNoteDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 24 R14.htm IDEA: XBRL DOCUMENT v3.24.3 REVENUE RECOGNITION 3 Months Ended Sep. 30, 2024 Revenue from Contract with Customer [Abstract] Å REVENUE RECOGNITION Å 6. REVENUE RECOGNITION Å The Company determines revenue recognition for arrangements that we determine are within the scope of Accounting Standards Codification Topic 606, æœRevenue from Contracts with Customers,æœ or ASC 606, by performing the following five steps: (i) identify the contract with a customer; (ii) identify the performance obligations in the contract; (iii) determine the transaction price; (iv) allocate the transaction price to the performance obligations in the contract; and (v) recognize revenue when, or as, the Company satisfies the performance obligations. At contract inception, once the contract is determined to be within the scope of ASC 606, the Company assesses the goods or services promised within the contract and determine those that are performance obligations and assess whether each promised good or service is distinct based on the contract. Å The Company disaggregates revenues by product and service types as it believes best depicts how the nature, amount, timing and uncertainty of revenues and cash flows are affected by economic factors. Revenues are comprised of the following for the three months ended September 30, 2024 and 2023: Schedule of disaggregation of revenuesÅ Å Å Å Å Three Months Ended September 30, Å Å 2024Å Å 2023Å Engineering Design ServicesÅ \$1,851,371Å Å \$1,900,999Å Optical ComponentsÅ Å 2,080,188Å Å Å 1,903,311Å Medical Device Products and AssembliesÅ Å 265,494Å Å Å 516,945Å Total RevenuesÅ \$4,197,053Å Å \$4,321,255Å Å Other selling costs to obtain and fulfill contracts are expensed as incurred due to the short-term nature of a majority of contracts. The Company extends terms of payment to its customers based on commercially reasonable terms for the markets of its customers, while also considering their credit quality. Shipping and handling costs charged to customers are included in revenue. Å Revenue recognition policies for each of the four product and service types appear below. Å Engineering Design Services The Company enters into contractual agreements with its customers, including design services agreements, statements of work and receive purchase orders for development projects. These agreements provide costs on an estimated basis for the services the Company has agreed to provide. Engineering Design Services are rendered on a time and materials basis. The Company recognizes revenue as customers are invoiced for the actual engineering services provided in the period. Revenue is also recognized on materials purchased for development projects at the time of receipt. Engineering Design Services are provided on a best-efforts basis; no warranty is provided as there is no guarantee that the work will result in the attainment of the customeræ"™s project objectives. The Company may obtain customer deposits in advance of rendering engineering design services. Customer deposits are treated as contractual liabilities until the terms of customer agreements are satisfied and are not a component of revenue. Å Optical Components, Finished Products and Assemblies The Company provides fixed price quotations to its customers and requires purchase orders for all purchased optical components, finished devices and assemblies. Revenue is recognized at the time title passes to the Companyæ"™s customers based on its review of the customer contract, generally at the time of shipment from its facilities. Occasionally the Company may enter into æœbill and holdæœ contractual arrangements where title is held by its customers while goods are stored at our facilities for their convenience. Å Technology Rights and Royalties The Company may recognize revenue for the sale of technology rights and through the receipt of royalties obtained under a license of our intellectual property. These revenues are recognized in the period in which, in our judgment, they are earned and no longer contingent under the terms and conditions of the relevant customer contract. Å Contract Assets and Liabilities Å The nature of the Companyæ"™s products and services does not generally give rise to contract assets as it typically does not incur costs to fulfill a contract before a product or service is provided to a customer. The Companyæ"™s costs to obtain contracts are typically in the form of sales commissions paid to employees. The Company has elected to expense sales commissions associated with obtaining a contract as incurred as the amortization period is generally less than one year. These costs have been recorded in selling, general and administrative expenses. As of Å September 30, 2024, there were no contract assets recorded in the Companyæ"™s Consolidated Balance Sheets. Å Å The Companyæ"™s contract liabilities arise from unearned revenue received from customers at inception of contracts or where the timing of billing for services precedes satisfaction of our performance obligations. The Company generally satisfies performance obligations within one year from the contractæ"™s inception date. Å Å Contract liabilities, which are recorded in the Companyæ"™s Consolidated Balance Sheets, and unearned revenue are comprised of the following: Schedule of contract liabilitiesÅ Å Å Å Å Three Months Ended September 30, Å Å 2024Å Å 2023Å Contract liabilities, beginning of periodÅ \$1,172,350Å Å \$1,174,690Å Unearned revenue received from customersÅ Å 471,617Å Å Å 433,119Å Revenue recognizedÅ Å (537,421)Å Å Å (182,826) Contract liabilities, end of periodÅ \$1,106,546Å Å \$1,424,983Å Å X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - DefinitionThe entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-9Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-15Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13Reference 10: 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_RevenueFromContractWithCustomerTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 25 R15.htm IDEA: XBRL DOCUMENT v3.24.3 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Policies) 3 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Å Principles of Consolidation and Operations Principles of Consolidation and Operations Å The accompanying consolidated financial statements include the accounts of Precision Optics Corporation, Å Inc. and its wholly-owned subsidiaries (the æœCompanyæœ). All significant intercompany accounts and transactions have been eliminated in consolidation. Å These consolidated financial statements have been prepared by the Company, without audit, and reflect normal recurring adjustments which, in the opinion of management, are necessary for a fair statement of the results of the first three months of the Companyæ"™s fiscal year 2025. These consolidated financial statements do not include all disclosures associated with annual consolidated financial statements and, accordingly, should be read in conjunction with footnotes contained in the Companyæ"™s consolidated financial statements for the year ended June 30, 2024, together with the Report of Independent Registered Public Accounting Firm filed under cover of the Companyæ"™s 2024 Annual Report on Form Å 10-K, filed with the Securities and Exchange Commission on September 30, 2024. Å Use of Estimates Use of Estimates Å The preparation of these consolidated financial statements requires the Company to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and

expenses. The Company bases its estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates.

Income (Loss) Per Share Income (Loss) Per Share A Basic income (loss) per share is computed by dividing net income or net loss by the weighted average number of shares of common stock outstanding during the period. Diluted income (loss) per share is computed by dividing net income (loss) by the weighted average number of shares of common stock outstanding during the period, plus the number of potentially dilutive securities outstanding during the period such as stock options. For the three months ended September 30, 2024 and 2023, potentially dilutive securities outstanding have been excluded from the computations of weighted-average shares outstanding because such securities have an antidilutive impact due to the net loss reported during those periods. The number of shares issuable upon the exercise of outstanding stock options that were excluded from the computation of fully diluted weighted average shares outstanding was approximately 1,329,236 for the three months ended September 30, 2024 and 1,123,140 for the three months ended September 30, 2023. A The following is the calculation of income (loss) per share for the three months ended September 30, 2024 and 2023: Schedule of income loss per shareA A A A A A Three Months Ended September 30,A A A 2024A A 2023A Net Income (Loss) Basic and Fully DilutedA \$(1,311,247)A \$(464,415) A A A A A A Weighted Average Shares OutstandingA A A A A A Basic & Fully DilutedA 6,216,630A A 6,066,518A A A A A A A Loss Per Share â€” Basic & Fully DilutedA \$(0.21)A A (0.08) A Income Taxes Income Taxes A Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases and operating loss and tax credit carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. A A In assessing the likelihood of utilization of existing deferred tax assets, management has considered the historical results of operations and the current operating environment. Based on this evaluation, a full valuation reserve has been provided for the deferred tax assets. A Goodwill and Patents Goodwill and Patents A Long-lived assets such as goodwill and patents are capitalized when acquired and reviewed for impairment whenever events or changes in circumstances indicate that the book value of the asset may not be recoverable. Impairment of the carrying value of long-lived assets such as goodwill and patents would be indicated if the best estimate of future undiscounted cash flows expected to be generated by the asset grouping is less than its carrying value. If an impairment is indicated, any loss is measured as the difference between estimated fair value and carrying value and is recognized in operating income or loss. Assets to be disposed of are reported at the lower of the carrying amount or fair value less costs to sell. No such impairments of goodwill or patents have been estimated by management as of September 30, 2024. A X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy regarding (1) the principles it follows in consolidating or combining the separate financial statements, including the principles followed in determining the inclusion or exclusion of subsidiaries or other entities in the consolidated or combined financial statements and (2) its treatment of interests (for example, common stock, a partnership interest or other means of exerting influence) in other entities, for example consolidation or use of the equity or cost methods of accounting. The accounting policy may also address the accounting treatment for intercompany accounts and transactions, noncontrolling interest, and the income statement treatment in consolidation for issuances of stock by a subsidiary. + ReferencesReference 1: [http://www.xbrl.org/2003/role/exampleRef-Topic 235-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483426/235-10-50-4](http://www.xbrl.org/2003/role/exampleRef-Topic 235-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 4-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147483426/235-10-50-4)Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 810-SubTopic 10-Section 50-Paragraph 1-Publisher FASB-URI https://asc.fasb.org/1943274/2147481203/810-10-50-1> + Details Name: us-gaap_ConsolidationPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(d\)-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 (d)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 260-SubTopic 10-Section 50-Paragraph 1-Subparagraph \(c\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1](http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 260-SubTopic 10-Section 50-Paragraph 1-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1)Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 260-SubTopic 10-Section 50-Paragraph 2-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-2> + Details Name: us-gaap_EarningsPerSharePolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for intangible assets. This accounting policy may address both intangible assets subject to amortization and those that are not. The following also may be disclosed: (1) a description of intangible assets (2) the estimated useful lives of those assets (3) the amortization method used (4) how the entity assesses and measures impairment of such assets (5) how future cash flows are estimated (6) how the fair values of such asset are determined. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Topic 350-SubTopic 30-Name Accounting Standards Codification-Publisher FASB-URI https://asc.fasb.org/350-30/tableOfContent>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Topic 350-SubTopic 30-Name Accounting Standards Codification-Section 50-Paragraph 5-Publisher FASB-URI https://asc.fasb.org/1943274/2147482665/350-30-50-5>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Topic 350-SubTopic 30-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482665/350-30-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 350-SubTopic 30-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482665/350-30-50-3) + Details Name: us-gaap_GoodwillAndIntangibleAssetsIntangibleAssetsPolicy Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for income taxes, which may include its accounting policies for recognizing and measuring deferred tax assets and liabilities and related valuation allowances, recognizing investment tax credits, operating loss carryforwards, tax credit carryforwards, and other carryforwards, methodologies for determining its effective income tax rate and the characterization of interest and penalties in the financial statements. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 20-Publisher FASB-URI https://asc.fasb.org/1943274/2147482685/740-10-50-20>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 19-Publisher FASB-URI https://asc.fasb.org/1943274/2147482685/740-10-50-19>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 25-Publisher FASB-URI https://asc.fasb.org/1943274/2147482525/740-10-45-25>Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Topic 946-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 3-Subparagraph \(SX 210.6-03\(h\)\(1\)\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147479886/946-10-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 946-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 3-Subparagraph (SX 210.6-03(h)(1))-Publisher FASB-URI https://asc.fasb.org/1943274/2147479886/946-10-50-3)Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 17-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482685/740-10-50-17](http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 17-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482685/740-10-50-17)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 28-Publisher FASB-URI https://asc.fasb.org/1943274/2147482525/740-10-45-28](http://www.xbrl.org/2003/role/disclosureRef-Topic 740-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 9-Publisher FASB-URI https://asc.fasb.org/1943274/2147482685/740-10-50-9)Reference 8: <http://www.xbrl.org/2003/role/disclosureRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 1-Publisher FASB-URI https://asc.fasb.org/1943274/2147482765/220-10-50-1> + Details Name: us-gaap_IncomeTaxPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles. + ReferencesReference 1: <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/1943274/2147482861/275-10-50-9>Reference 2: <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/1943274/2147482861/275-10-50-4>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482861/275-10-50-1](http://www.xbrl.org/2003/role/disclosureRef-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482861/275-10-50-1)Reference 4: <http://www.xbrl.org/2003/role/disclosureRef-Name Accounting Standards Codification-Section 50-Paragraph 11-SubTopic 10-Topic 275-Publisher FASB-URI https://asc.fasb.org/1943274/2147482861/275-10-50-11>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef-Name Accounting Standards Codification-Section 50-Paragraph 12-SubTopic 10-Topic 275-Publisher FASB-URI https://asc.fasb.org/1943274/2147482861/275-10-50-12>Reference 7: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 275-SubTopic 10-Section 50-Paragraph 8-Publisher FASB-URI https://asc.fasb.org/1943274/2147482861/275-10-50-8> + Details Name: us-gaap_UseOfEstimates Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 26 R16.htm IDEA: XBRL DOCUMENT v3.24.3 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Tables) 3 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] A Schedule of income loss per share Schedule of income loss per shareA A A A A A A A Three Months Ended September 30,A A A 2024A A 2023A Net Income (Loss) Basic and Fully DilutedA \$(1,311,247)A \$(464,415) A A A A A A A Weighted Average Shares OutstandingA A A A A A A Basic & Fully DilutedA 6,216,630A A 6,066,518A A A A A A A Loss Per Share â€” Basic & Fully DilutedA \$(0.21)A A (0.08) X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the effect of income (loss) on an entity's diluted earnings per share. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-Topic 260-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 3-Publisher FASB-URI https://asc.fasb.org/1943274/2147482689/260-10-45-3>Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 260-SubTopic 10-Section 50-Paragraph 1-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1](http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 260-SubTopic 10-Section 50-Paragraph 1-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482662/260-10-50-1)Reference 3: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 260-SubTopic 10-Section 55-Paragraph 52-Publisher FASB-URI https://asc.fasb.org/1943274/2147482635/260-10-55-52> + Details Name: us-gaap_ScheduleOfEarningsPerShareDilutedByCommonClassTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 27 R17.htm IDEA: XBRL DOCUMENT v3.24.3 INVENTORIES (Tables) 3 Months Ended Sep. 30, 2024 Inventory Disclosure [Abstract] A Schedule of inventories Schedule of inventoriesA A A A A A A A September 30, 2024A A June 30, 2024A Raw MaterialsA \$1,965,096A A \$1,570,135A Work-In-ProgressA A 153,223A A A 157,406A Finished GoodsA A 1,342,302A A A 1,140,559A Total InventoriesA \$3,460,621A A \$2,868,100A X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular 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. + 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\(6\)\(a\)\)-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(6)(a))-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\(6\)\(b\)\)-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(6)(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\(6\)\(c\)\)-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(6)(c))-Publisher FASB-URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 4: [http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Section 50-Paragraph 1-SubTopic 10-Topic 470-Publisher FASB-URI https://asc.fasb.org/1943274/2147481544/470-10-50-1](http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Topic 210-SubTopic 10-Section 50-Paragraph 1-Publisher FASB-URI https://asc.fasb.org/1943274/2147481544/470-10-50-1) + Details Name: us-gaap_ScheduleOfMaturitiesOfLongTermDebtTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 29 R19.htm IDEA: XBRL DOCUMENT v3.24.3 LEASE OBLIGATIONS (Tables) 3 Months Ended Sep. 30, 2024 Lease Obligations A Schedule of future minimum lease payments under capital lease and operating lease obligations Schedule of future minimum lease payments under capital lease and operating lease obligationsA A A A A A Fiscal Year Ending June 30:A A Capital LeasesA A Operating LeaseA 2025A \$1,764A A \$137,950A 2026A A 28,004A A A 11,478A Total Minimum PaymentsA A 59,768A A A 149,428A Less: amount representing interestA A 2,498A A A 3,181A Present value of minimum lease paymentsA A 57,270A A A 146,247A

Less: current portionÂ Â 38,886Â Â 146,247Â Lease Obligation, net of current portionÂ \$18,384Â Â Â X - ReferencesNo definition available. + Details Name: POCI DisclosureLeaseObligationsAbstract Namespace Prefix: POCI Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: POCI ScheduleOfFutureMinimumLeasePaymentsCapitalAndOperatingLeasesTextBlock Namespace Prefix: POCI Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 30 R20.htm IDEA: XBRL DOCUMENT v3.24.3 STOCK-BASED COMPENSATION (Tables) 3 Months Ended Sep. 30, 2024 Equity [Abstract]Â Â Schedule of stock-based compensation expense Schedule of stock-based compensation expenseÂ Â Â Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Cost of Goods SoldÂ \$39,226Â Â \$22,625Â Selling, General and AdministrativeÂ Â 110,138Â Â 86,121Â Stock Based Compensation ExpenseÂ \$149,364Â Â \$108,746Â Schedule of stock option activity Schedule of stock option activityÂ Â Â Â Â Â Options OutstandingÂ Â Â Number of SharesÂ Â Weighted Average Exercise PriceÂ Â Weighted Average Contractual LifeÂ Outstanding at June 30, 2024Â 1,357,735Â Â \$4.72Â Â 6.60 years ExercisedÂ Â (10,999)Â Â 2.81Â Â Â Â Canceled, forfeited, or expiredÂ Â (17,500)Â Â 4.62Â Â Â Â Outstanding at September 30, 2024Â 1,329,236Â Â \$4.72Â Â 6.35 yearsÂ X - DefinitionTabular disclosure of share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap DisclosureOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap EquityAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 31 R21.htm IDEA: XBRL DOCUMENT v3.24.3 REVENUE RECOGNITION (Tables) 3 Months Ended Sep. 30, 2024 Revenue from Contract with Customer [Abstract]Â Â Schedule of disaggregation of revenues Schedule of disaggregation of revenuesÂ Â Â Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Engineering Design ServicesÂ \$1,851,371Â Â \$1,900,999Â Optical ComponentsÂ Â 2,080,188Â Â 1,903,311Â Medical Device Products and AssembliesÂ Â 265,494Â Â 516,945Â Total RevenuesÂ \$4,197,053Â Â \$4,321,255Â Schedule of contract liabilities Schedule of contract liabilitiesÂ Â Â Â Â Â Three Months Ended September 30,Â Â Â 2024Â Â 2023Â Contract liabilities, beginning of periodÂ \$1,172,350Â Â \$1,174,690Â Unearned revenue received from customersÂ Â 471,617Â Â 433,119Â Revenue recognizedÂ Â (537,421)Â Â (182,826) Contract liabilities, end of periodÂ \$1,106,546Â Â \$1,424,983Â X - DefinitionTabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10 + Details Name: us-gaap ContractWithCustomerAssetAndLiabilityTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5 + Details Name: us-gaap DisaggregationOfRevenueTableTextBlock Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 32 R22.htm IDEA: XBRL DOCUMENT v3.24.3 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Details - Income loss per share) - USD (\$) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Accounting Policies [Abstract]Â Â Net Income (Loss) Basic \$ (1,311,247) \$ (464,415) Net Income (Loss) Fully Diluted \$ (1,311,247) \$ (464,415) Weighted Average Shares Outstanding, Basic 6,216,630 6,066,518 Weighted Average Shares Outstanding, Fully Diluted 6,216,630 6,066,518 Loss Per Share - Basic \$ (0.21) \$ (0.08) Loss Per Share - Fully Diluted \$ (0.21) \$ (0.08) X - ReferencesNo definition available. + Details Name: us-gaap AccountingPoliciesAbstract 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/1943274/2147483443/250-10-50-6Reference 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/1943274/2147482635/260-10-55-52Reference 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://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 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/1943274/2147482635/260-10-55-15Reference 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/1943274/2147480175/815-40-65-1Reference 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/1943274/2147480175/815-40-65-1Reference 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/1943274/2147483443/250-10-50-11Reference 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/1943274/2147483443/250-10-50-11Reference 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/1943274/2147483443/250-10-50-7Reference 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/1943274/2147482689/260-10-45-2Reference 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/1943274/2147482689/260-10-45-60BReference 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/1943274/2147483443/250-10-50-4Reference 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/1943274/2147482662/260-10-50-1Reference 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/1943274/2147482689/260-10-45-10Reference 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-S99-2Reference 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-S99-1Reference 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-S99-1Reference 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:perShareItemType 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/1943274/2147483443/250-10-50-6Reference 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/1943274/2147482635/260-10-55-52Reference 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://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 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/1943274/2147482635/260-10-55-15Reference 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/1943274/2147480175/815-40-65-1Reference 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/1943274/2147480175/815-40-65-1Reference 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/1943274/2147483443/250-10-50-11Reference 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/1943274/2147483443/250-10-50-11Reference 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/1943274/2147483443/250-10-50-7Reference 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/1943274/2147482689/260-10-45-2Reference 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/1943274/2147482689/260-10-45-60BReference 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/1943274/2147483443/250-10-50-4Reference 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/1943274/2147482662/260-10-50-1Reference 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-S99-2Reference 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-S99-1Reference 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-S99-1Reference 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:perShareItemType Balance Type: na 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/1943274/2147476176/805-60-65-1Reference 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/1943274/2147483443/250-10-50-3Reference 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/1943274/2147483443/250-10-50-11Reference 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/1943274/2147483443/250-10-50-11Reference 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/1943274/2147483443/250-10-50-4Reference 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-S99-5Reference 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/1943274/2147482662/260-10-50-1Reference 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/1943274/2147482689/260-10-45-10Reference 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/1943274/2147482689/260-10-45-11Reference 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:

http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_LongTermDebt Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Principal amount of long-term debt and capital lease obligation maturing in the fifth fiscal year following the latest fiscal year. Excludes interim and annual periods when interim periods are reported on a rolling approach, from latest balance sheet date. + References No definition available. + Details Name: us-gaap_LongTermDebtAndCapitalLeaseObligationsMaturitiesRepaymentsOfPrincipalInYearFive Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Principal amount of long-term debt and capital lease obligation maturing in the fourth fiscal year following the latest fiscal year. Excludes interim and annual periods when interim periods are reported on a rolling approach, from latest balance sheet date. + References No definition available. + Details Name: us-gaap_LongTermDebtAndCapitalLeaseObligationsMaturitiesRepaymentsOfPrincipalInYearFour Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Principal amount of long-term debt and capital lease obligation maturing in the third fiscal year following the latest fiscal year. Excludes interim and annual periods when interim periods are reported on a rolling approach, from latest balance sheet date. + References No definition available. + Details Name: us-gaap_LongTermDebtAndCapitalLeaseObligationsMaturitiesRepaymentsOfPrincipalInYearThree Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Principal amount of long-term debt and capital lease obligation maturing in the second fiscal year following the latest fiscal year. Excludes interim and annual periods when interim periods are reported on a rolling approach, from latest balance sheet date. + References No definition available. + Details Name: us-gaap_LongTermDebtAndCapitalLeaseObligationsMaturitiesRepaymentsOfPrincipalInYearTwo Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Principal amount of long-term debt and capital lease obligation maturing in the next fiscal year following the latest fiscal year. Excludes interim and annual periods when interim periods are reported on a rolling approach, from latest balance sheet date. + References No definition available. + Details Name: us-gaap_LongTermDebtAndCapitalLeaseObligationsRepaymentsOfPrincipalInNextTwelveMonths Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 37 R27.htm IDEA: XBRL DOCUMENT V.34.3 BANK FINANCING ACTIVITIES (Details Narrative) - USD (\$) 3 Months Ended Oct. 04, 2021 Sep. 30, 2024 Debt Instrument [Line Items] A Accumulated amortization of debt issuance costs A \$ 18,736 Main Street Bank [Member] A Debt Instrument [Line Items] A Term loan On October 4, 2021, the Company entered into a Loan Agreement with Main Street Bank of Marlborough, Massachusetts, which provided for a \$2,600,000 Term Loan and a \$250,000 Revolving Line of Credit Loan Facility (the "Revolver"), which was increased to \$500,000 effective May 17, 2022, and \$1,250,000 effective June 2, 2023. A Line of credit bear interest rate A 1.50% Debt periodic payment term A monthly Debt instrument periodic payment A \$ 35,173 Interest rate A 7.00% Term loan maturity A Oct. 15, 2028 Main Street Bank [Member] | Revolver [Member] A Debt Instrument [Line Items] A Revolving line of credit balance A \$ 500,000 Credit line remaining borrowing capacity A \$ 750,000 Main Street Bank 1 [Member] A Debt Instrument [Line Items] A Debt periodic payment term A monthly Debt instrument periodic payment A \$ 14,375 Interest rate A 8.625% Term loan maturity A Jun. 15, 2028 X - Definition Amount of accumulated amortization of debt issuance costs. + References Reference 1: 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 2: 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_AccumulatedAmortizationDeferredFinanceCosts Namespace Prefix: us-gaap_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Definition Description of the frequency of periodic payments (monthly, quarterly, annual). + References Reference 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 -Name Accounting Standards Codification -Topic 942 -SubTopic 470 -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477734/942-470-50-3 + Details Name: us-gaap_DebtInstrumentFrequencyOfPeriodicPayment Namespace Prefix: us-gaap_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition Contractual interest rate for funds borrowed, under the debt agreement. + References Reference 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)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: 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/1943274/2147481139/470-20-50-1B + Details Name: us-gaap_DebtInstrumentInterestRateStatedPercentage Namespace Prefix: us-gaap_Data Type: dt-types:percentItemType Balance Type: na Period Type: instant X - Definition 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. + References Reference 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/1943274/2147481139/470-20-50-1F

normal operating cycle of the company, if longer, and disclosures pertaining to the underlying arrangements, including repayment terms, conversion features, interest rates, restrictions on assets and activities, debt covenants, and other matters important to users of the financial statements. Types of long-term debt arrangements include borrowing under notes payable, bonds payable, debentures, term loans, and other contractual obligations for payment. + 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-S99-1](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-S99-1)Reference 2: [http://www.xbrli.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](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 LongTermDebtDescription Namespace Prefix: us-gaap_ Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Details Name: us-gaap LongtermDebtTypeAxis=POCI MainStreetBankMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap LongtermDebtTypeAxis=POCI MainStreetBank1Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 38 R28.htm IDEA: XBRL DOCUMENT v3.24.3 LEASE OBLIGATIONS (Details - Future minimum lease payments) - USD ($) Sep. 30, 2024 Jun. 30, 2024 Present value of minimum lease payments, operating leases $ 146,247 $ 178,450 Less: current portion, capital leases 38,886 41,113 Less: current portion, operating leases 146,247 146,247 Lease Obligation, net of current portion, capital leases 146,247 146,247 Lease Obligation, net of current portion, operating leases 0 $ 11,549 Operating Lease [Member] A A 2025 137,950 A 2026 11,478 A Total minimum payments, operating leases 149,428 A Less: amount representing interest, operating leases 3,181 A Present value of minimum lease payments, operating leases 146,247 A Less: current portion, operating leases 146,247 A Lease Obligation, net of current portion, operating leases 0 A Capital Lease Obligations [Member] A A 2025 31,764 A 2026 28,004 A Total minimum payments, capital leases 59,768 A Less: amount representing interest, capital leases 2,498 A Present value of minimum lease payments, capital leases 57,270 A Less: current portion, capital leases 38,886 A Lease Obligation, net of current portion, capital leases $ 18,384 A X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease. + ReferencesReference 1: <a href=)Reference 2: [http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(22\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](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 OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - Details Name: us-gaap PropertySubjectToOrAvailableForOperatingLeaseAxis=POCI OperatingLeaseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap MajorPropertyClassAxis=us-gaap CapitalLeaseObligationsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 39 R29.htm IDEA: XBRL DOCUMENT v3.24.3 LEASE OBLIGATIONS (Details Narrative) - USD ($) 3 Months Ended Sep. 30, 2024 Sep. 30, 2023 Jun. 30, 2024 Mar. 31, 2021 Jan. 31, 2020 Property, Plant and Equipment [Line Items] A A A A Operating lease, right-of-use asset $ 146,247 A $ 189,999 A A Operating lease, liability current 146,247 A A A El Paso Texas [Member] A A A A A Property, Plant and Equipment [Line Items] A A A A Lease payments 34,060 A A A Operating lease expense 16,340 $ 15,973 A A Windham Maine [Member] A A A A A Property, Plant and Equipment [Line Items] A A A A Lease payments 112,187 A A A Operating lease expense 34,432 34,432 A A Gardner Massachusetts Office [Member] A A A A Property, Plant and Equipment [Line Items] A A A A Operating lease expense 51,797 $ 48,799 A A Manufacturing Equipment [Member] A A A A A Property, Plant and Equipment [Line Items] A A A A Capital lease obligation A A $ 161,977 $ 47,750 Net book value of fixed assets under capital lease obligations $ 51,776 A A A X - DefinitionAmount equal to the present value (the principal) at the beginning of the lease term of minimum lease payments during the lease term (excluding that portion of the payments representing executory costs such as insurance, maintenance, and taxes to be paid by the lessor, together with any profit thereon) net of payments or other amounts applied to the principal through the balance sheet date. + ReferencesReference 1: <a href=)Reference 2: [http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481161/840-30-50-1](http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481161/840-30-50-1)Reference 3: [http://www.xbrli.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2E -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](http://www.xbrli.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: instant X - DefinitionFair value portion 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. + ReferencesReference 1: <a href=)Reference 2: [http://www.xbrli.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/1943274/2147482106/820-10-50-2](http://www.xbrli.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/1943274/2147482106/820-10-50-2)Reference 3: [http://www.xbrli.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](http://www.xbrli.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)Reference 4: [http://www.xbrli.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-S99-1](http://www.xbrli.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-S99-1)Reference 2:

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Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock." } } }, "auth_ref": ["r47", "r465", "r646"] }, "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalMember", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Additional Paid-in Capital [Member]", "documentation": "Excess of issue price over par or stated value of the entity's capital stock and amounts received from other transactions involving the entity's stock or stockholders." } } }, "auth_ref": ["r380", "r575", "r576", "r577", "r578", "r599", "r647"] }, "ecd_AdjToCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Adjustment to Compensation, Amount" } } }, "auth_ref": ["r535"] }, "ecd_AdjToCompAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToCompAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Adjustment to Compensation [Axis]" } } }, "auth_ref": ["r535"] }, "ecd_AdjToNonPeoNeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToNonPeoNeoCompFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Adjustment to Non-PEO NEO Compensation Footnote" } } }, "auth_ref": ["r535"] }, "ecd_AdjToPeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToPeoCompFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Adjustment to PEO Compensation, Footnote" } } }, "auth_ref": ["r535"] }, "us-gaap_AdjustmentsNoncashItemsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsNoncashItemsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Adjustments to reconcile net loss to net cash used in by operating activities -" } } }, "auth_ref": [] }, "us-gaap_AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue", "crdr": "credit", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Stock-based compensation", "documentation": "Amount of

increase to additional paid-in capital (APIC) for recognition of cost for award under share-based payment arrangement." } } }, "auth_ref": ["r29", "r264"] }, "ecd_AggtErrCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtErrCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "lang": { "en-us": { "role": { "label": "Aggregate Erroneous Compensation Amount" } } }, "auth_ref": ["r500", "r511", "r521", "r546"] }, "ecd_AggtErrCompNotYetDeterminedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtErrCompNotYetDeterminedTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "lang": { "en-us": { "role": { "label": "Aggregate Erroneous Compensation Not Yet Determined" } } }, "auth_ref": ["r503", "r514", "r524", "r549"] }, "ecd_AllAdjToCompMemb": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllAdjToCompMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure", "auth_ref": ["r535"] }, "ecd_AllExecutiveCategoriesMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllExecutiveCategoriesMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure", "auth_ref": ["r542"] }, "ecd_AllIndividualsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllIndividualsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "auth_ref": ["r504", "r515", "r525", "r542", "r550", "r554", "r562"] }, "us-gaap_AllocatedShareBasedCompensationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllocatedShareBasedCompensationExpense", "crdr": "debit", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails", "lang": { "en-us": { "role": { "label": "Stock based compensation expense", "documentation": "Amount of expense for award under share-based payment arrangement. Excludes amount capitalized." } } }, "auth_ref": ["r292", "r293"] }, "us-gaap_AllowanceForDoubtfulAccountsReceivable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllowanceForDoubtfulAccountsReceivable", "crdr": "credit", "presentation": ["http://poci.com/role/ConsolidatedBalanceSheetsParenthetical", "lang": { "en-us": { "role": { "label": "Accounts receivable, net of allowance for doubtful losses", "documentation": "Amount of allowance for credit loss on accounts receivable." } } }, "auth_ref": ["r109", "r173", "r177", "r178", "r179", "r614"] }, "dei_AmendmentDescription": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AmendmentDescription", "presentation": ["http://poci.com/role/Cover", "lang": { "en-us": { "role": { "label": "Amendment Description", "documentation": "Description of changes contained within amended document." } } }, "auth_ref": [] }, "dei_AmendmentFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AmendmentFlag", "presentation": ["http://poci.com/role/Cover", "lang": { "en-us": { "role": { "label": "Amendment Flag", "documentation": "Boolean flag that is true when the XBRL content amends previously-filed or accepted submission." } } }, "auth_ref": [] }, "us-gaap_AmortizationOfDebtDiscountPremium": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AmortizationOfDebtDiscountPremium", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 4.0 }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows", "lang": { "en-us": { "role": { "label": "Non-cash interest expense", "documentation": "Amount of noncash expense included in interest expense to amortize debt discount and premium associated with the related debt instruments. 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Alternate captions include noncash interest expense." } } }, "auth_ref": ["r3", "r59", "r229", "r607"] }, "dei_AnnualInformationForm": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AnnualInformationForm", "presentation": ["http://poci.com/role/Cover", "lang": { "en-us": { "role": { "label": "Annual Information Form", "documentation": "Boolean flag with value true on a form if it is an annual report containing an annual information form." } } }, "auth_ref": ["r507"] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount", "presentation": ["http://poci.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative", "lang": { "en-us": { "role": { "label": "Antidilutive weighted average shares outstanding", "documentation": "Securities (including those issuable 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together with any profit thereon) net of payments or other amounts applied to the principal through the balance sheet date." } } }, "auth_ref": ["r83", "r89", "r90"] }, "us-gaap_CapitalLeaseObligationsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalLeaseObligationsMember", "presentation": ["http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments", "lang": { "en-us": { "role": { "label": "Capital Lease Obligations [Member]", "documentation": "A borrowing recorded for a lease meeting the criteria for capitalization. A lease is defined as an agreement conveying the right to use property, plant, or equipment (land or depreciable assets) usually for a stated period of time." } } }, "auth_ref": ["r89"] }, "us-gaap_CashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 1.0 }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets", "lang": { "en-us": { "role": { "label": "Cash and cash equivalents", "documentation": "Amount 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." } } }, "auth_ref": ["r14", "r100", "r437"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows", "lang": { "en-us": { "role": { "periodStartLabel": "Cash and cash equivalents, beginning of period", "periodEndLabel": "Cash and cash equivalents, end of period", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents", "documentation": "Amount 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." } } }, "auth_ref": ["r14", "r62", "r123"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseExcludingExchangeRateEffect": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseExcludingExchangeRateEffect", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": null, "weight": null, "order": null, "root": true }, "presentation": [

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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": ["r0", "r62"]] }, "ecd_ChangedPeerGroupFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChangedPeerGroupFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Changed Peer Group, Footnote" } } }, "auth_ref": ["r533"]], "dei_CityAreaCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CityAreaCode", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "City Area Code", "documentation": "Area code of city" } } }, "auth_ref": [] }, "ecd_CoSelectedMeasureAmt": { "xbrltype": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CoSelectedMeasureAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Company Selected Measure Amount" } } }, "auth_ref": ["r534"]], "ecd_CoSelectedMeasureName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CoSelectedMeasureName", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Company Selected Measure Name" } } }, "auth_ref": ["r534"]], "us-gaap_CommonStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockMember", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Common Stock [Member]", "documentation": "Stock that is subordinate to all other stock of the issuer." } } }, "auth_ref": ["r471", "r472", "r473", "r475", "r476", "r477", "r478", "r575", "r576", "r578", "r599", "r645", "r647"] }, "us-gaap_CommonStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockParOrStatedValuePerShare", "presentation": ["http://poci.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common stock, par value", "documentation": "Face amount or stated value per share of common stock." } } }, "auth_ref": ["r46"] }, "us-gaap_CommonStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesAuthorized", "presentation": ["http://poci.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common stock, shares authorized", "documentation": "The maximum number of common shares permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": ["r46", "r389"] }, "us-gaap_CommonStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesIssued", "presentation": ["http://poci.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "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": ["r46"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://poci.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common stock, shares outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r7", "r46", "r389", "r407", "r647", "r648"] }, "us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValue", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Common stock, \$0.01 par value: 50,000,000 shares authorized; issued and outstanding \u2013 2013 6,350,170 shares at September 30, 2024 and 6,073,939 at June 30, 2024", "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": ["r46", "r353", "r465"] }, "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" } } }, "auth_ref": ["r539"] }, "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" } } }, "auth_ref": ["r538"] }, "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" } } }, "auth_ref": ["r540"] }, "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" } } }, "auth_ref": ["r537"] }, "us-gaap_ConsolidationPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConsolidationPolicyTextBlock", "presentation": ["http://poci.com/role/SummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Principles of Consolidation and Operations", "documentation": "Disclosure of accounting policy regarding (1) the principles it follows in consolidating or combining the separate financial statements, including the principles followed in determining the inclusion or exclusion of subsidiaries or other entities in the consolidated or combined financial statements and (2) its treatment of interests (for example, common stock, a partnership interest or other means of exerting influence) in other entities, for example consolidation or use of the equity or cost methods of accounting. The accounting policy may also address the accounting treatment for intercompany accounts and transactions, noncontrolling interest, and the income statement treatment in consolidation for issuances of stock by a subsidiary." } } }, "auth_ref": ["r31", "r442"] }, "us-gaap_ContractWithCustomerAssetAndLiabilityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerAssetAndLiabilityTableTextBlock", "presentation": ["http://poci.com/role/RevenueRecognitionTables"], "lang": { "en-us": { "role": { "label": "Schedule of contract liabilities", "documentation": "Tabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability." } } }, "auth_ref": ["r597"] }, "us-gaap_ContractWithCustomerLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiabilityCurrent", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "http://poci.com/role/RevenueRecognitionDetails-ContractLiabilities"], "lang": { "en-us": { "role": { "label": "Contract liabilities", "periodStartLabel": "Contract liabilities, beginning of period", "periodEndLabel": "Contract liabilities, end of period", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current." } } }, "auth_ref": ["r249", "r250", "r260"] }, 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that benefit from use of the assets." } } }, "auth_ref": ["r3", "r159", "r165", "r168", "r446", "r447"] }, "us-gaap_DisaggregationOfRevenueLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueLineItems", "presentation": ["http://poci.com/role/RevenueRecognitionDetails-Revenue"], "lang": { "en-us": { "role": { "label": "Disaggregation of Revenue [Table]", "documentation": "Disclosure of information about disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor." } } }, "auth_ref": ["r259", "r454", "r455", "r456", "r457", "r458", "r459", "r460"] }, "us-gaap_DisaggregationOfRevenueTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueTable", "presentation": ["http://poci.com/role/RevenueRecognitionDetails-Revenue"], "lang": { "en-us": { "role": { "label": "Disaggregation of Revenue [Table]", "documentation": "Disclosure of information about disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor." } } }, "auth_ref": ["r259", "r454", "r455", "r456", "r457", "r458", "r459", "r460"] }, "us-gaap_DisaggregationOfRevenueTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueTableTextBlock", "presentation": ["http://poci.com/role/RevenueRecognitionTables"], "lang": { "en-us": { "role": { "label": "Schedule of disaggregation of revenues", "documentation": "Tabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor." } } }, "auth_ref": ["r598"] }, "POCI_DisclosureLeaseObligationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://poci.com/20240930", 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registrant has used to prepare the financial statements included in this filing This can either be 'U.S. GAAP', 'International Financial Reporting Standards', or 'Other.' } } }, "auth_ref": ["r495"] }, "dei_DocumentAnnualReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentAnnualReport", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Annual Report", "documentation": "Boolean flag that is true only for a form used as an annual report." } } }, "auth_ref": ["r493", "r495", "r507"] }, "dei_DocumentFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalPeriodFocus", "presentation": ["http://poci.com/role/Cover"], "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": "gYearItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalYearFocus", "presentation": ["http://poci.com/role/Cover"], "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://poci.com/role/Cover"], "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_DocumentPeriodStartDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentPeriodStartDate", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Period Start Date", "documentation": "The start date of the period covered in the document, in YYYY-MM-DD format." } } }, "auth_ref": [] }, "dei_DocumentQuarterlyReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentQuarterlyReport", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Quarterly Report", "documentation": "Boolean flag that is true only for a form used as an quarterly report." } } }, "auth_ref": ["r494"] }, "dei_DocumentRegistrationStatement": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentRegistrationStatement", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Registration Statement", "documentation": "Boolean flag that is true only for a form used as a registration statement." } } }, "auth_ref": ["r482"] }, "dei_DocumentShellCompanyEventDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentShellCompanyEventDate", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Shell Company Event Date", "documentation": "Date of event requiring a shell company report." } } }, "auth_ref": ["r495"] }, "dei_DocumentShellCompanyReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentShellCompanyReport", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Shell Company Report", "documentation": "Boolean flag that is true for a Shell Company Report pursuant to section 13 or 15(d) of the Exchange Act." } } }, "auth_ref": ["r495"] }, "dei_DocumentTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentTransitionReport", "presentation": ["http://poci.com/role/Cover"], "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": ["r528"] }, "dei_DocumentType": { "xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentType", "presentation": ["http://poci.com/role/Cover"], "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": [] }, "dei_DocumentsIncorporatedByReferenceTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentsIncorporatedByReference [Text Block]", "documentation": "Documents incorporated by reference." } } }, "auth_ref": ["r485"] }, "us-gaap_EarningsPerShareAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareAbstract", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Loss Per Share:" } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareBasic": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasic", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations", "http://poci.com/role/SummaryOfSignificantAccountingPoliciesDetails-IncomeLossPerShare"], "lang": { "en-us": { "role": { "label": "Loss per share, Basic", "verboseLabel": "Loss Per Share - Basic", "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": ["r120", "r134", "r135", "r136", "r137", "r138", "r139", "r143", "r146", "r153", "r154", "r155", "r158", "r306", "r309", "r322", "r323", "r348", "r360", "r443"] }, "us-gaap_EarningsPerShareDiluted": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareDiluted", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations", "http://poci.com/role/SummaryOfSignificantAccountingPoliciesDetails-IncomeLossPerShare"], "lang": { "en-us": { "role": { "label": "Loss per share, Fully diluted", "verboseLabel": "Loss Per Share - Fully Diluted", "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": ["r120", "r134", "r135", "r136", "r137", "r138", "r139", "r146", "r153", "r154", "r155", "r158", "r306", "r309", "r322", "r323", "r348", "r360", "r443"] }, "us-gaap_EarningsPerSharePolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerSharePolicyTextBlock", "presentation": ["http://poci.com/role/SummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Income (Loss) Per Share", "documentation": "Disclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements." } } }, "auth_ref": ["r16", "r17", "r157"] }, "POCI_EIPasoTexasMember": { "xbrltype": "domainItemType", "nsuri": "http://poci.com/20240930", "localname": "EIPasoTexasMember", "presentation": ["http://poci.com/role/LeaseObligationsDetailsNarrative"], "lang": { "en-us": { "role": { "label": "El Paso Texas [Member]" } } }, "auth_ref": [] }, "us-gaap_EmployeeRelatedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeRelatedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Accrued compensation and other", "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": ["r37"] }, "POCI_EngineeringDesignServicesMember": { "xbrltype": "domainItemType", "nsuri": "http://poci.com/20240930", "localname": "EngineeringDesignServicesMember", "presentation": ["http://poci.com/role/RevenueRecognitionDetails-Revenue"], "lang": { "en-us": { "role": { "label": "Engineering Design Services [Member]" } } }, "auth_ref": [] }, "dei_EntityAddressAddressLine1": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressAddressLine1", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Address, Address Line One", "documentation": "Address Line 1 such as Attn, Building Name, Street Name" } } }, "auth_ref": [] }, "dei_EntityAddressAddressLine2": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressAddressLine2", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Address, Address Line Two", "documentation": "Address Line 2 such as Street or Suite number" } } }, "auth_ref": [] }, "dei_EntityAddressAddressLine3": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressAddressLine3", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Address, Address Line Three", "documentation": "Address Line 3 such as an Office Park" } } }, "auth_ref": [] },

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Registrants not involved in bankruptcy proceedings during the preceding five years should not report this element." } } }, "auth_ref": ["r488"] }, "dei_EntityCentralIndexKey": { "xbrltype": "centralIndexKeyItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCentralIndexKey", "presentation": ["http://poci.com/role/Cover"], "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": ["r484"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItem", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://poci.com/role/Cover"], "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://poci.com/role/Cover"], "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://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": ["r484"] }, "dei_EntityExTransitionPeriod": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityExTransitionPeriod", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Elected Not To Use the Extended Transition Period", "documentation": "Indicate if an emerging growth company has elected not to use the extended transition period for complying with any new or revised financial accounting standards." } } }, "auth_ref": ["r569"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity 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://poci.com/role/Cover"], "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": ["r484"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://poci.com/role/Cover"], "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://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)." } } }, "auth_ref": ["r566"] }, "dei_EntityPrimarySicNumber": { "xbrltype": "sicNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityPrimarySicNumber", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Primary SIC Number", "documentation": "Primary Standard Industrial Classification (SIC) Number for the Entity." } } }, "auth_ref": ["r507"] }, "dei_EntityPublicFloat": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityPublicFloat", "crdr": "credit", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Public Float", "documentation": "The aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter." } } }, "auth_ref": [] }, "dei_EntityRegistrantName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityRegistrantName", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Registrant Name", "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC." } } }, "auth_ref": ["r484"] }, "dei_EntityShellCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityShellCompany", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Shell Company", "documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act." } } }, "auth_ref": ["r484"] }, "dei_EntitySmallBusiness": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntitySmallBusiness", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Small Business", "documentation": "Indicates that the company is a Smaller Reporting Company (SRC)." } } }, "auth_ref": ["r484"] }, "dei_EntityTaxIdentificationNumber": { "xbrltype": "employerIdItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityTaxIdentificationNumber", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Tax Identification Number", "documentation": "The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS." } } }, "auth_ref": ["r484"] }, "dei_EntityVoluntaryFilers": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityVoluntaryFilers", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Voluntary Filers", "documentation": "Indicate 'Yes' or 'No' if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act." } } }, "auth_ref": [] }, "dei_EntityWellKnownSeasonedIssuer": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityWellKnownSeasonedIssuer", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Well-known Seasoned Issuer", "documentation": "Indicate 'Yes' or 'No' if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Is used on Form Type: 10-K, 10-Q, 8-K, 20-F, 6-K, 10-K/A, 10-Q/A, 20-F/A, 6-K/A, N-CSR, N-Q, N-1A." } } }, "auth_ref": ["r567"] }, "us-gaap_EquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityAbstract", "lang": { "en-us": { "role": { "label": "Equity [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EquityComponentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityComponentDomain", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "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": ["r7", "r96", "r116", "r117", "r118", "r129", "r130", "r131", "r133", "r138", "r140", "r142", "r160", "r170", "r176", "r187", "r248", "r301", "r302", "r303", "r304", "r305", "r307", "r308", "r309", 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Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r341"] }, "us-gaap_FinanceLeaseLiabilityPaymentsDueYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityPaymentsDueYearTwo", "crdr": "credit", "presentation": ["http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments"],

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Examples include, but are not limited to, desks, chairs, tables, and bookcases." } } }, "auth_ref": ["r68"] }, "POCI_GardnerMassachusettsOfficeMember": { "xbrltype": "domainItemType", "nsuri": "http://poci.com/20240930", "localname": "GardnerMassachusettsOfficeMember", "presentation": ["http://poci.com/role/LeaseObligationsDetailsNarrative"] }, "lang": { "en-us": { "role": { "label": "Gardner Massachusetts Office [Member]" } } }, "auth_ref": [] }, "us-gaap_Goodwill": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Goodwill", "crdr": "debit", "calculation": ["http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_OtherAssets", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"] }, "lang": { "en-us": { "role": { "label": "Goodwill", "documentation": "Amount, 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." } } }, "auth_ref": ["r103", "r183", "r347", "r447", "r448", "r462", "r465", "r587", "r588"] }, "us-gaap_GoodwillAndIntangibleAssetImpairment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GoodwillAndIntangibleAssetImpairment", "crdr": "debit", "presentation": ["http://poci.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"] }, "lang": { "en-us": { "role": { "label": "Impairments of goodwill or patents", "documentation": "Total loss recognized during the period from the impairment of goodwill plus the loss recognized in the period resulting from the impairment of the carrying amount of intangible assets, other than goodwill." } } }, "auth_ref": [] }, "us-gaap_GoodwillAndIntangibleAssetsIntangibleAssetsPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GoodwillAndIntangibleAssetsIntangibleAssetsPolicy", "presentation": ["http://poci.com/role/SummaryOfSignificantAccountingPoliciesPolicies"] }, "lang": { "en-us": { "role": { "label": "Goodwill and Patents", "documentation": "Disclosure of accounting policy for intangible assets. This accounting policy may address both intangible assets subject to amortization and those that are not. The following also may be disclosed: (1) a description of intangible assets (2) the estimated useful lives of those assets (3) the amortization method used (4) how the entity assesses and measures impairment of such assets (5) how future cash flows are estimated (6) how the fair values of such asset are determined." } } }, "auth_ref": ["r184", "r185", "r186"] }, "us-gaap_GrossProfit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GrossProfit", "crdr": "credit", "calculation": ["http://poci.com/role/ConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations"] }, "lang": { "en-us": { "role": { "totalLabel": "Gross Profit", "label": "Gross Profit", "documentation": "Aggregate revenue less cost of goods and services sold or operating expenses directly attributable to the revenue generation activity." } } }, "auth_ref": 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investment tax credits, operating loss carryforwards, tax credit carryforwards, and other carryforwards, methodologies for determining its effective income tax rate and the characterization of interest and penalties in the financial statements." } } }, "auth_ref": ["r115", "r295", "r296", "r297", "r298", "r299", "r300", "r376"] }, "us-gaap_IncreaseDecreaseInAccountsPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInAccountsPayable", "crdr": "debit", "calculation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 8.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"] }, "lang": { "en-us": { "role": { "verboseLabel": "Accounts payable", "label": "Increase (Decrease) in Accounts Payable", "documentation": "The increase (decrease) during the reporting period in the aggregate amount of 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increase (decrease) in deferred income and obligation to transfer product and service to customer for which consideration has been received or is receivable." } } }, "auth_ref": ["r435"] }, "us-gaap_IncreaseDecreaseInInventories": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInInventories", "crdr": "credit", "calculation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 6.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"] }, "lang": { "en-us": { "role": { "negatedLabel": "Inventories, net", "label": "Increase (Decrease) in Inventories", "documentation": "The 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." } } }, "auth_ref": ["r2"] }, 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"InsiderTradingPoliciesProcLineItems", "lang": { "en-us": { "role": { "label": "Insider Trading Policies and Procedures [Line Items]" } } }, "auth_ref": ["r496", "r565"] }, "ecd_InsiderTrdPoliciesProcAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTrdPoliciesProcAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc"], "lang": { "en-us": { "role": { "label": "Insider Trading Policies and Procedures Adopted" } } }, "auth_ref": ["r496", "r565"] }, "ecd_InsiderTrdPoliciesProcNotAdoptedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTrdPoliciesProcNotAdoptedTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc"], "lang": { "en-us": { "role": { "label": "Insider Trading Policies and Procedures Not Adopted" } } }, "auth_ref": ["r496", "r565"] }, "us-gaap_InterestExpenseNonoperating": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestExpenseNonoperating", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_NetIncomeLoss", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations"], "lang": { "en-us": { "role": { "negatedLabel": "Interest Expense", "label": "Interest Expense, Nonoperating", "documentation": "Amount of interest expense classified as nonoperating." } } }, "auth_ref": ["r164", "r571"] }, "us-gaap_InventoryDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureAbstract", "lang": { "en-us": { "role": { "label": "Inventory Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_InventoryDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureTextBlock", "presentation": ["http://poci.com/role/Inventories"], "lang": { "en-us": { "role": { "label": "INVENTORIES", "documentation": "The entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory." } } }, "auth_ref": ["r180"] }, "us-gaap_InventoryFinishedGoodsNetOfReserves": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryFinishedGoodsNetOfReserves", "crdr": "debit", "calculation": { "http://poci.com/role/InventoriesDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://poci.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "label": "Finished Goods", "documentation": "Carrying amount, net of valuation reserves and adjustments, as of the balance sheet date of merchandise or goods held by the company that are readily available for sale." } } }, "auth_ref": ["r67", "r440"] }, "us-gaap_InventoryNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryNet", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 3.0 } }, "http://poci.com/role/InventoriesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets", "http://poci.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "label": "Inventories", "totalLabel": "Total Inventories", "documentation": "Amount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer." } } }, "auth_ref": ["r110", "r438", "r465"] }, "us-gaap_InventoryRawMaterialsAndSuppliesNetOfReserves": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryRawMaterialsAndSuppliesNetOfReserves", "crdr": "debit", "calculation": { "http://poci.com/role/InventoriesDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://poci.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "label": "Raw Materials", "documentation": "Aggregated amount of unprocessed materials to be used in manufacturing or production process and supplies that will be consumed. This amount is net of valuation reserves and adjustments." } } }, "auth_ref": ["r67", "r570"] }, "us-gaap_InventoryWorkInProcessNetOfReserves": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryWorkInProcessNetOfReserves", "crdr": "debit", "calculation": { "http://poci.com/role/InventoriesDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://poci.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "label": "Work-In-Progress", "documentation": "Carrying amount, net of reserves and adjustments, as of the balance sheet date of merchandise or goods which are partially completed. This inventory is generally comprised of raw materials, labor and factory overhead costs, which require further materials, labor and overhead to be converted into finished goods, and which generally require the use of estimates to determine percentage complete and pricing." } } }, "auth_ref": ["r67", "r441"] }, "POCI_LeaseObligationTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://poci.com/20240930", "localname": "LeaseObligationTextBlock", "presentation": ["http://poci.com/role/LeaseObligations"], "lang": { "en-us": { "role": { "label": "LEASE OBLIGATIONS" } } }, "auth_ref": [] }, "us-gaap_LeaseholdImprovementsGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeaseholdImprovementsGross", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_PropertyPlantAndEquipmentGross", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Leasehold improvements", "documentation": "Amount before accumulated depreciation of additions or improvements to assets held under a lease arrangement." } } }, "auth_ref": ["r68"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDue", "crdr": "credit", "presentation": ["http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments", "http://poci.com/role/LeaseObligationsDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Total minimum payments, operating leases", "verboseLabel": "Lease payments", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease." } } }, "auth_ref": ["r341"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths", "crdr": "credit", "presentation": ["http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments"], "lang": { "en-us": { "role": { "verboseLabel": "2025", "label": "Lessee, Operating Lease, Liability, to be Paid, Year One", "documentation": "Amount 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)." } } }, "auth_ref": ["r341"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearTwo", "crdr": "credit", "presentation": ["http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments"], "lang": { "en-us": { "role": { "verboseLabel": "2026", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Two", "documentation": "Amount 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)." } } }, "auth_ref": ["r341"] }, "us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityUndiscountedExcessAmount", "crdr": "credit", "presentation": ["http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments"], "lang": { "en-us": { "role": { "label": "Less: amount representing interest, operating leases", "documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease." } } }, "auth_ref": ["r341"] }, "us-gaap_Liabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Liabilities", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "totalLabel": "Total liabilities", "label": "Liabilities", "documentation": "Amount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others." } } }, "auth_ref": ["r11", "r36", "r37", "r38", "r41", "r42", "r43", "r44", "r127", "r174", "r198", "r199", "r200", "r201", "r202", "r203", "r204", "r205", "r206", "r311", "r312", "r313", "r327", "r388", "r444", "r481", "r595", "r610", "r611"] }, "us-gaap_LiabilitiesAndStockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAndStockholdersEquity", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "totalLabel": "TOTAL LIABILITIES AND STOCKHOLDERS\u2019 EQUITY", "label": "Liabilities and Equity", "documentation": "Amount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any." } } }, "auth_ref": ["r51", "r81", "r355", "r465", "r574", "r586", "r605"] }, "us-gaap_LiabilitiesAndStockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAndStockholdersEquityAbstract", "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Current Liabilities", "documentation": "Total obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer." } } }, "auth_ref": ["r38", "r99", "r127", "r174", "r198", "r199", "r200", "r201", "r202", "r203", "r204", "r205", "r206", "r311", "r312", "r313", "r327", "r465", "r595", "r610", "r611"] }, "us-gaap_LiabilitiesCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesCurrentAbstract", "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Current Liabilities", "documentation": "Total obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer." } } }, "auth_ref": [] }, "us-gaap_LineOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCredit", "crdr": "credit", "presentation": ["http://poci.com/role/BankFinancingActivitiesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Revolving line of credit balance", "documentation": "The carrying value as of the balance sheet date of the current and noncurrent portions of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement." } } }, "auth_ref": ["r11", "r80", "r613"] }, "us-gaap_LineOfCreditFacilityInterestRateDuringPeriod": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityInterestRateDuringPeriod", "presentation": ["http://poci.com/role/BankFinancingActivitiesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Line of credit bear interest rate", "documentation": "The effective interest rate during the reporting period." } } }, "auth_ref": ["r35", "r40"] }, "us-gaap_LineOfCreditFacilityRemainingBorrowingCapacity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityRemainingBorrowingCapacity", "crdr": "credit", "presentation": ["http://poci.com/role/BankFinancingActivitiesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Credit line remaining borrowing capacity", "documentation": "Amount of borrowing capacity currently available under the credit facility (current borrowing capacity less the amount of borrowings outstanding)." } } }, "auth_ref": ["r35", "r40", "r197"] }, "us-gaap_LinesOfCreditCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LinesOfCreditCurrent", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Revolving line of credit", "documentation": "The carrying value as of the balance sheet date of the current portion of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement." } } }, "auth_ref": ["r36", "r79"] }, "us-gaap_LoansPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LoansPayable", "crdr": "credit", "presentation": ["http://poci.com/role/BankFinancingActivitiesDetails-LongTermDebt"], "lang": { "en-us": { "role": { "label": "Working capital loan payable", "documentation": "Including the current and noncurrent portions, aggregate carrying value as of the balance sheet date of loans payable (with maturities initially due after one year or

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": ["r122"] }, "us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivitiesAbstract", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Cash Flows from Investing Activities:" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInOperatingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivities", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseExcludingExchangeRateEffect", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Net cash used in operating activities", "label": "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": ["r62", "r63", "r64"] }, "us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Cash Flows from Operating Activities:" } } }, "auth_ref": [] }, "us-gaap_NetIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLoss", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 1.0 }, "http://poci.com/role/ConsolidatedStatementsOfOperations": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows", "http://poci.com/role/ConsolidatedStatementsOfOperations", "http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity", "http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "totalLabel": "Net Loss", "label": "Net loss", "verboseLabel": "Net 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": ["r57", "r64", "r82", "r97", "r113", "r114", "r118", "r127", "r132", "r134", "r135", "r136", "r137", "r138", "r141", "r142", "r151", "r174", "r198", "r199", "r200", "r201", "r202", "r203", "r204", "r205", "r206", "r306", "r309", "r323", "r327", "r358", "r409", "r425", "r426", "r479", "r595"] }, "us-gaap_NetIncomeLossAvailableToCommonStockholdersBasic": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLossAvailableToCommonStockholdersBasic", "crdr": "credit", "presentation": ["http://poci.com/role/SummaryOfSignificantAccountingPoliciesDetails-IncomeLossPerShare"], "lang": { "en-us": { "role": { "label": "Net Income (Loss) Basic", "documentation": "Amount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders." } } }, "auth_ref": ["r121", "r134", "r135", "r136", "r137", "r143", "r144", "r152", "r155", "r309"] }, "us-gaap_NetIncomeLossAvailableToCommonStockholdersDiluted": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLossAvailableToCommonStockholdersDiluted", "crdr": "credit", "presentation": ["http://poci.com/role/SummaryOfSignificantAccountingPoliciesDetails-IncomeLossPerShare"], "lang": { "en-us": { "role": { "label": "Net Income (Loss) Fully Diluted", "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": ["r121", "r145", "r147", "r148", "r149", "r150", "r152", "r155"] }, "dei_NoTradingSymbolFlag": { "xbrltype": "trueItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "NoTradingSymbolFlag", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "No Trading Symbol Flag", "documentation": "Boolean flag that is true only for a security having no trading symbol." } } }, "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" } } }, "auth_ref": ["r534"] }, "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 Total Compensation Amount" } } }, "auth_ref": ["r531"] }, "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" } } }, "auth_ref": ["r561"] }, "ecd_NonRule10b51ArrTrmtdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonRule10b51ArrTrmtdFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "Non-Rule 10b5-1 Arrangement Terminated" } } }, "auth_ref": ["r561"] }, "us-gaap_OperatingExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingExpenses", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations"], "lang": { "en-us": { "role": { "totalLabel": "Total Operating Expenses", "label": "Operating Expenses", "documentation": "Generally 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." } } }, "auth_ref": [] }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingIncomeLoss", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_NetIncomeLoss", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations"], "lang": { "en-us": { "role": { "totalLabel": "Operating Loss", "label": "Operating Income (Loss)", "documentation": "The net result for the period of deducting operating expenses from operating revenues." } } }, "auth_ref": ["r86", "r445", "r580", "r581", "r582", "r583", "r584"] }, "us-gaap_OperatingLeaseExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseExpense", "crdr": "debit", "presentation": ["http://poci.com/role/LeaseObligationsDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Operating lease expense", "documentation": "Amount of operating lease expense. Excludes sublease income." } } }, "auth_ref": ["r609"] }, "us-gaap_OperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiability", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 7.0 } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets", "http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments"], "lang": { "en-us": { "role": { "label": "Operating lease liability", "verboseLabel": "Present value of minimum lease payments, operating leases", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease." } } }, "auth_ref": ["r340"] }, "us-gaap_OperatingLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityCurrent", "crdr": "credit", "presentation": 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that provide economic benefits within a future period of one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r111", "r181", "r182", "r439"] }, "us-gaap_ProceedsFromIssuanceOfCommonStock": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromIssuanceOfCommonStock", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 5.0 }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Proceeds from registered direct sale of common stock, net", "documentation": "The cash inflow from the additional capital contribution to the entity." } } }, "auth_ref": ["r1"] }, "us-gaap_ProceedsFromStockOptionsExercised": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromStockOptionsExercised", "crdr": 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lease obligations", "documentation": "Fair value portion 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": ["r461", "r600", "r601", "r604"] }, "us-gaap_PropertyPlantAndEquipmentGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentGross", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_PropertyPlantAndEquipmentNet", "weight": 1.0, "order": 1.0 }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "totalLabel": "Total fixed assets", "label": "Property, Plant and Equipment, Gross", "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": ["r68", "r101", "r357"] }, "us-gaap_PropertyPlantAndEquipmentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentLineItems", "presentation": ["http://poci.com/role/LeaseObligationsDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment [Line Items]", "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": ["r342"] }, "us-gaap_PropertyPlantAndEquipmentNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 2.0 }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "totalLabel": "Net fixed assets", "label": "Property, Plant and Equipment, Net", "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": ["r4", "r342", "r350", "r357", "r465"] }, "us-gaap_PropertyPlantAndEquipmentTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTypeDomain", "presentation": ["http://poci.com/role/LeaseObligationsDetailsNarrative"], "lang": { "en-us": { "role": { "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": ["r68", "r342"] }, "us-gaap_PropertySubjectToOrAvailableForOperatingLeaseAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertySubjectToOrAvailableForOperatingLeaseAxis", "presentation": ["http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments", "http://poci.com/role/LeaseObligationsDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Property Subject to or Available for Operating Lease [Axis]", "documentation": "Information by property that could be leased or is available for lease." } } }, "auth_ref": ["r88"] }, "us-gaap_PropertySubjectToOrAvailableForOperatingLeaseDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertySubjectToOrAvailableForOperatingLeaseDomain", "presentation": ["http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments", "http://poci.com/role/LeaseObligationsDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "A descriptive title of whether the property is subject to or available for operating lease." } } }, "auth_ref": ["r88"] }, "ecd_PvpTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTable", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Pay vs Performance Disclosure [Table]" } } }, "auth_ref": ["r530"] }, "ecd_PvpTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTableTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Pay vs Performance Disclosure, Table" } } }, "auth_ref": ["r530"] }, "ecd_RecoveryOfErrCompDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RecoveryOfErrCompDisclosureLineItems", "auth_ref": ["r497", "r508", "r518", "r543"] }, "us-gaap_RepaymentsOfDebtAndCapitalLeaseObligations": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfDebtAndCapitalLeaseObligations", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 1.0 }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "negatedLabel": "Payments of capital lease obligations", "label": "Repayments of Debt and Lease Obligation", "documentation": "Amount of cash outflow for short-term and long-term debt and lease obligation." } } }, "auth_ref": [] }, "us-gaap_RepaymentsOfLinesOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfLinesOfCredit", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 2.0 }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "negatedLabel": "Payments of long-term debt", "label": "Repayments of Long-Term Debt", "documentation": "The cash outflow for debt initially having maturity due after one year or beyond the normal operating cycle, if longer." } } }, "auth_ref": ["r61", "r378"] }, "us-gaap_ResearchAndDevelopmentExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpense", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 1.0 }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Research and Development Expenses", "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": ["r294", "r434", "r446", "r612"] }, "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]" } } }, "auth_ref": ["r498", "r509", "r519", "r544"] }, "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" } } }, "auth_ref": ["r499", "r510", "r520", "r545"] }, "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" } } }, "auth_ref": ["r506", "r517", "r527", "r552"] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Accumulated deficit", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r48", "r73", "r354", "r373", "r374", "r379", "r390", "r465"] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Retained Earnings [Member]", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r96", "r129", "r130", "r131", "r133", "r138", "r140", "r142", "r175", "r176", "r187", "r301", "r302", "r303", "r304", "r305", "r307", "r308", "r309", "r314", "r316", "r317", "r319", "r321", "r337", "r338", "r370", "r372", "r380", "r647"] }, "us-gaap_RevenueFromContractWithCustomerAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerAbstract", "lang": { "en-us": { "role": { "label": "Revenue from Contract with Customer [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": ["http://poci.com/role/RevenueRecognition"], "lang": { "en-us": { "role": { "label": "REVENUE RECOGNITION", "documentation": "The entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts." } } }, "auth_ref": ["r95", "r251", "r252", "r253", "r254", "r255", "r256", "r257", "r258", "r262"] }, "us-gaap_Revenues": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Revenues", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_GrossProfit", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations", "http://poci.com/role/RevenueRecognitionDetails-Revenue"], "lang": { "en-us": { "role": { "label": "Revenues", "documentation": "Amount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss)." } } }, "auth_ref": ["r84", "r85", "r119", "r127", "r159", "r162", "r163", "r166", "r168", "r169", "r170", "r171", "r174", "r198", "r199", "r200", "r201", "r202", "r203", "r204", "r205", "r206", "r327", "r349", "r446", "r595"] }, "POCI_RevolverMember": { "xbrltype": "domainItemType", "nsuri": "http://poci.com/20240930", "localname": "RevolverMember", "presentation": ["http://poci.com/role/BankFinancingActivitiesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Revolver [Member]" } } }, "auth_ref": [] }, "ecd_Rule10b51ArrAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Rule10b51ArrAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "Rule 10b5-1 Arrangement Adopted" } } }, "auth_ref": ["r561"] }, "ecd_Rule10b51ArrTrmndtFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Rule10b51ArrTrmndtFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "Rule 10b5-1 Arrangement Terminated" } } }, "auth_ref": ["r561"] }, "us-gaap_ScheduleOfDebtTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDebtTableTextBlock", "presentation": ["http://poci.com/role/BankFinancingActivitiesTables"], "lang": { "en-us": { "role": { "label": "Schedule of long-term debt", "documentation": "Tabular disclosure of information pertaining to short-term and long-debt instruments or arrangements, including but not limited to identification of terms, features, collateral requirements and other information necessary to a fair presentation." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfEarningsPerShareDilutedByCommonClassTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareDilutedByCommonClassTextBlock", "presentation": ["http://poci.com/role/SummaryOfSignificantAccountingPoliciesTables"], "lang": { "en-us": { "role": { "label": "Schedule of income loss per share", "documentation": "Tabular disclosure of the effect of income (loss) on an entity's diluted earnings per share." } } }, "auth_ref": ["r15", "r18", "r579"] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://poci.com/role/InventoriesTables"], "lang": { "en-us": { "role": { "label": "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": ["r12", "r52", "r53", "r54"] }, "us-gaap_ScheduleOfMaturitiesOfLongTermDebtTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfMaturitiesOfLongTermDebtTableTextBlock", "presentation": ["http://poci.com/role/BankFinancingActivitiesTables"], "lang": { "en-us": { "role": { "label": "Schedule of principal payments due on term loan note payable", "documentation": "Tabular disclosure of maturity and sinking fund requirement for long-term debt." } } }, "auth_ref": ["r5"] }, "us-gaap_ScheduleOfPropertyPlantAndEquipmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfPropertyPlantAndEquipmentTable", "presentation": ["http://poci.com/role/LeaseObligationsDetailsNarrative"], "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": ["r4", "r342"] }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails-OptionActivity", "http://poci.com/role/Stock-basedCompensationDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table]", "documentation": "Disclosure of information about share-based payment arrangement." } } }, "auth_ref": ["r263", "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"] }, "us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock", "presentation": ["http://poci.com/role/Stock-basedCompensationTables"], "lang": { "en-us": { "role": { "label": "Schedule of stock option activity", "documentation": "Tabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value." } } }, "auth_ref": ["r8", "r9", "r75"] }, "POCI_ScheduleOfFutureMinimumLeasePaymentsCapitalAndOperatingLeasesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://poci.com/20240930", "localname": "ScheduleOfFutureMinimumLeasePaymentsCapitalAndOperatingLeasesTextBlock", "presentation": ["http://poci.com/role/LeaseObligationsTables"], "lang": { "en-us": { "role": { "label": "Schedule of future minimum lease payments under capital lease and operating lease obligations" } } }, "auth_ref": [] }, "dei_Security12bTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12bTitle", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Title of 12(b) Security", "documentation": "Title of a 12(b) registered security." } } }, "auth_ref": ["r483"] }, "dei_Security12gTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12gTitle", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Title of 12(g) Security", "documentation": "Title of a 12(g) registered security." } } }, "auth_ref": ["r487"] }, "dei_SecurityExchangeName": { "xbrltype": "edgarExchangeCodeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "SecurityExchangeName", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Security Exchange Name", "documentation": "Name of the Exchange on which a security is registered." } } }, "auth_ref": ["r486"] }, "dei_SecurityReportingObligation": { "xbrltype": "securityReportingObligationItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "SecurityReportingObligation", "presentation": ["http://poci.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Security Reporting Obligation", "documentation": "15(d), indicating whether the security has a reporting obligation under that section of the Exchange Act." } } }, "auth_ref": ["r492"] }, "us-gaap_SellingGeneralAndAdministrativeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpense", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Selling, General and Administrative Expenses", "documentation": "The 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." } } }, "auth_ref": ["r58"] }, "us-gaap_SellingGeneralAndAdministrativeExpensesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpensesMember", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails"], "lang": { "en-us": { "role": { "label": "Selling, General and Administrative Expenses [Member]", "documentation": "Primary financial statement caption encompassing selling, general and administrative expense." } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensation", "crdr": "debit", "calculation": { "http://poci.com/role/ConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://poci.com/role/ConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Stock-based compensation expense", "documentation": "Amount of noncash expense for share-based payment arrangement." } } }, "auth_ref": ["r2"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails-OptionActivity", "http://poci.com/role/Stock-basedCompensationDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items]", "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": ["r263", "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"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresInPeriod", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails-OptionActivity"], "lang": { "en-us": { "role": { "negatedLabel": "Number of stock options cancelled, forfeited, or expired", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures in Period", "documentation": "The number of shares under options that were cancelled during the reporting period as a result of occurrence of a terminating event specified in contractual agreements pertaining to the stock option plan." } } }, "auth_ref": ["r275"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue", "crdr": "debit", "presentation": ["http://poci.com/role/Stock-basedCompensationDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Aggregate intrinsic value outstanding", "documentation": "Amount by which the current fair value of the underlying stock exceeds the exercise price of options outstanding." } } }, "auth_ref": ["r28"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails-OptionActivity"], "lang": { "en-us": { "role": { "periodStartLabel": "Number of stock options outstanding - at beginning", "periodEndLabel": "Number of stock options outstanding - at ending", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award,

Options, Outstanding, Number", "documentation": "Number of options outstanding, including both vested and non-vested options." } } }, "auth_ref": ["r269", "r270"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails-OptionActivity"], "lang": { "en-us": { "role": { "periodStartLabel": "Weighted average exercise price options outstanding- at beginning", "periodEndLabel": "Weighted average exercise price options outstanding- at ending", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price", "documentation": "Weighted average price at which grantees can acquire the shares reserved for issuance under the stock option plan." } } }, "auth_ref": ["r269", "r270"] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails-OptionActivity", "http://poci.com/role/Stock-basedCompensationDetailsNarrative", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "documentation": "Award under share-based payment arrangement." } } }, "auth_ref": ["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"] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails-OptionActivity"], "lang": { "en-us": { "role": { "label": "Weighted average exercise price - exercised", "documentation": "Weighted average price at which option holders acquired shares when converting their stock options into shares." } } }, "auth_ref": ["r274"] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsForfeituresInPeriodWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsForfeituresInPeriodWeightedAverageExercisePrice", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails-OptionActivity"], "lang": { "en-us": { "role": { "label": "Weighted average exercise price cancelled, forfeited, or expired", "documentation": "Weighted average price at which grantees could have acquired the underlying shares with respect to stock options that were terminated." } } }, "auth_ref": ["r275"] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1", "crdr": "debit", "presentation": ["http://poci.com/role/Stock-basedCompensationDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Aggregate intrinsic value exercisable", "documentation": "Amount of difference between fair value of the underlying shares reserved for issuance and exercise price of vested portions of options 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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": ["r129", "r130", "r131", "r160", "r338", "r345", "r375", "r381", "r382", "r383", "r384", "r385", "r386", "r387", "r389", "r392", "r393", "r394", "r395", "r396", "r397", "r398", "r399", "r400", "r402", "r403", "r404", "r405", "r406", "r408", "r410", "r411", "r413", "r414", "r415", "r416", "r417", "r418", "r419", "r420", "r421", "r422", "r423", "r424", "r427", "r474"] }, "us-gaap_StatementOfCashFlowsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementOfCashFlowsAbstract", "lang": { "en-us": { "role": { "label": "Statement of Cash Flows [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StatementOfFinancialPositionAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementOfFinancialPositionAbstract", "lang": { "en-us": { "role": { "label": "Statement of Financial Position [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StatementOfStockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementOfStockholdersEquityAbstract", "auth_ref": [] }, "us-gaap_StatementTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementTable", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity", "http://poci.com/role/LeaseObligationsDetails-FutureMinimumLeasePayments", "http://poci.com/role/Stock-basedCompensationDetails"], "lang": { "en-us": { "role": { "label": "Statement [Table]", "documentation": "Disclosure of information about statement of comprehensive income, income, other comprehensive income, financial position, cash flows, and shareholders' equity." } } }, "auth_ref": ["r129", "r130", "r131", "r160", "r172", "r338", "r345", "r375", "r381", "r382", "r383", "r384", "r385", "r386", "r387", "r389", "r392", "r393", "r394", "r395", "r396", "r397", "r398", "r399", "r400", "r402", "r403", "r404", "r405", "r406", "r408", "r410", "r411", "r413", "r414", "r415", "r416", "r417", "r418", "r419", "r420", "r421", "r422", "r423", "r424", "r427", "r474"] }, "ecd_StkPrCOrTsrEstimationMethodTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "StkPrCOrTsrEstimationMethodTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "label": "Stock Price or TSR Estimation Method" } } }, "auth_ref": ["r501", "r512", "r522", "r547"] }, "us-gaap_StockIssuedDuringPeriodSharesNewIssues": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodSharesNewIssues", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Issuance of common stock in registered direct offering, shares", "documentation": "Number of new stock issued during the period." } } }, "auth_ref": ["r7", "r45", "r46", "r73", "r377", "r427", "r432"] }, "us-gaap_StockIssuedDuringPeriodSharesStockOptionsExercised": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodSharesStockOptionsExercised", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity", "http://poci.com/role/Stock-basedCompensationDetails-OptionActivity"], "lang": { "en-us": { "role": { "label": "Proceeds from exercise of stock option, shares", "negatedLabel": "Number of stock options exercised", "documentation": "Number of share options (or share units) exercised during the current period." } } }, "auth_ref": ["r7", "r45", "r46", "r73", "r380", "r427", "r432", "r480"] }, "us-gaap_StockIssuedDuringPeriodValueNewIssues": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodValueNewIssues", "crdr": "credit", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Issuance of common stock in registered direct offering", "documentation": "Equity impact of the value of new stock issued during the period. Includes shares issued in an initial public offering or a secondary public offering." } } }, "auth_ref": ["r7", "r45", "r46", "r73", "r380", "r427", "r432", "r480"] }, "us-gaap_StockIssuedDuringPeriodValueStockOptionsExercised": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodValueStockOptionsExercised", "crdr": "credit", "presentation": ["http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Proceeds from exercise of stock option", "documentation": "Value of stock issued as a result of the exercise of stock options." } } }, "auth_ref": ["r7", "r46", "r49", "r50", "r73"] }, "us-gaap_StockOptionMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockOptionMember", "presentation": ["http://poci.com/role/Stock-basedCompensationDetails-OptionActivity", "http://poci.com/role/Stock-basedCompensationDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Equity Option [Member]", "documentation": "Contracts conveying rights, but not obligations, to buy or sell a specific quantity of stock at a specified price during a specified period (an American option) or at a specified date (a European option)." } } }, "auth_ref": ["r473"] }, "us-gaap_StockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquity", "crdr": "credit", "calculation": { "http://poci.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 2.0 }, "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets", "http://poci.com/role/ConsolidatedStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "totalLabel": "Total stockholders'2019 equity", "periodStartLabel": "Beginning balance, value", "periodEndLabel": "Ending balance, value", "label": "Equity, Attributable to Parent", "documentation": "Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest." } } }, "auth_ref": ["r46", "r49", "r50", "r66", "r391", "r407", "r428", "r429", "r465", "r481", "r574", "r586", "r605", "r647"] }, "us-gaap_StockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityAbstract", "presentation": ["http://poci.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Stockholders'2019 Equity" } } }, "auth_ref": [] }, "us-gaap_StockholdersEquityNoteDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityNoteDisclosureTextBlock", "presentation": ["http://poci.com/role/Stock-basedCompensation"], "lang": { "en-us": { "role": { "label": "STOCK-BASED COMPENSATION", "documentation": "The entire disclosure for equity." } } }, "auth_ref": ["r70", "r126", "r236", "r237", "r238", "r239", "r240", "r241", "r242", "r243", "r244", "r245", "r246", "r247", "r248", "r320", "r430", "r431", "r433"] }, "us-gaap_StockholdersEquityReverseStockSplit": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityReverseStockSplit", "presentation": ["http://poci.com/role/Stock-basedCompensationDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Reverse stock split", "documentation": "Description of the reverse stock split arrangement. Also provide the retroactive effect given by the reverse split that occurs after the balance sheet date but before the release of financial statements." } } }, "auth_ref": ["r74"] }, "ecd_TabularListTableTextBlock": { "xbrltype":

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

text-align: right" title="Working capital loan payable">562,500</td><td style="text-align: left"></td></tr><tr style="vertical-align: bottom; background-color: White"><td style="text-align: left"></td><td style="text-align: right"></td><td style="text-align: left"></td><tr style="vertical-align: bottom; background-color: rgb(238,238,238)"><td style="text-align: left">Less current maturities</td><td></td><td style="text-align: left"></td><td id="xdx_98F-eus-gaap-LongTermDebtCurrent_iNI_pp0p0_di_c20240930_zJoX8Ls7SRih" style="text-align: right" title="Less current maturities">(285,901</td><td style="text-align: left"></td></tr><tr style="vertical-align: bottom; background-color: White"><td style="text-align: left; padding-bottom: 1pt">Less debt issuance and modification costs, net of accumulated amortization of \$18,736</td><td style="padding-bottom: 1pt"></td><td style="border-bottom: Black 1pt solid; text-align: left"></td><td id="xdx_98B-eus-gaap-DebtInstrumentUnamortizedDiscountPremiumAndDebtIssuanceCostsNet_iNI_pp0p0_di_c20240930_zDMo0MscVwA5" style="border-bottom: Black 1pt solid; text-align: right" title="Less debt issuance costs, net of accumulated amortization">(46,502</td><td style="padding-bottom: 1pt; text-align: left"></td><tr><tr style="vertical-align: bottom; background-color: rgb(238,238,238)"><td style="text-align: left; padding-bottom: 2.5pt">Long-term debt, net of current maturities and debt issuance costs</td><td style="padding-bottom: 2.5pt"></td><td style="border-bottom: Black 2.5pt double; text-align: left">\$</td><td id="xdx_98F-eus-gaap-LongTermDebtNoncurrent_iI_pp0p0_c20240930_zqKGStdFoRy2" style="border-bottom: Black 2.5pt double; text-align: right" title="Long-term debt, net of current portion of debt issuance costs">1,746,764</td><td style="padding-bottom: 2.5pt; text-align: left"></td></tr></table><p id="xdx_84A_ztyR9215qIbc" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0"><p><p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0">At September 30, 2024 principal payments due on the Term Loan Note payable are as follows:</p><table cellpadding="0" cellspacing="0" id="xdx_89F-eus-gaap-ScheduleOfMaturitiesOfLongTermDebtTableTextBlock_zOC1srWvZURF" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"><tr><tr style="vertical-align: bottom"><td style="text-align: left">Schedule of principal payments due on term loan note payable</td><td></td><td colspan="2"></td><td id="xdx_498-20240930_zQgS1B6DZGsl" style="text-align: center"></td><td></td><td></td><tr><tr style="vertical-align: bottom"><td style="text-align: left">Fiscal Year Ending June 30:</td><td></td><td colspan="2"></td><td></td><tr><tr id="xdx_40B-eus-gaap-LongTermDebtAndCapitalLeaseObligationsRepaymentsOfPrincipalInNextTwelveMonths_iI_pp0p0" style="vertical-align: bottom; background-color: rgb(238,238,238)"><td style="width: 83%; text-align: left">2025</td><td style="width: 2%"></td><td style="width: 1%; text-align: left">\$</td><td style="width: 13%; text-align: right">148,644</td><td style="width: 1%; text-align: left"></td><tr><tr id="xdx_404-eus-gaap-LongTermDebtAndCapitalLeaseObligationsMaturitiesRepaymentsOfPrincipalInYearTwo_iI_pp0p0" style="vertical-align: bottom; background-color: White"><td style="text-align: left">2026</td><td></td><td style="text-align: left"></td><td style="text-align: right">594,578</td><td style="text-align: left"></td><tr><tr id="xdx_40B-eus-gaap-LongTermDebtAndCapitalLeaseObligationsMaturitiesRepaymentsOfPrincipalInYearThree_iI_pp0p0" style="vertical-align: bottom; background-color: rgb(238,238,238)"><td style="text-align: left">2027</td><td></td><td style="text-align: left"></td><td style="text-align: right">594,578</td><td style="text-align: left"></td><tr><tr style="text-align: left"></td><tr><tr id="xdx_40C-eus-gaap-LongTermDebtAndCapitalLeaseObligationsMaturitiesRepaymentsOfPrincipalInYearFour_iI_pp0p0" style="vertical-align: bottom; background-color: White"><td style="text-align: left">2028</td><td></td><td style="text-align: left"></td><td style="text-align: right">594,578</td><td style="text-align: left"></td><tr><tr id="xdx_401-eus-gaap-LongTermDebtAndCapitalLeaseObligationsMaturitiesRepaymentsOfPrincipalInYearFive_iI_pp0p0" style="vertical-align: bottom; background-color: rgb(238,238,238)"><td style="text-align: left; padding-bottom: 1pt">2029</td><td style="padding-bottom: 1pt"></td><td style="border-bottom: Black 1pt solid; text-align: left"></td><td style="border-bottom: Black 1pt solid; text-align: right">146,789</td><td style="padding-bottom: 1pt; text-align: left"></td><tr><tr id="xdx_404-eus-gaap-LongTermDebt_iI_pp0p0" style="vertical-align: bottom; background-color: White"><td style="text-align: left; padding-bottom: 2.5pt"><b style="display: none">Total long-term debt</td><td style="padding-bottom: 2.5pt"></td><td style="border-bottom: Black 2.5pt double; text-align: left">\$</td><td style="border-bottom: Black 2.5pt double; text-align: right">2,079,167</td><td style="padding-bottom: 2.5pt; text-align: left"></td><tr></table><p id="xdx_8A9_zjSe3Iah3d3" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0"><p>On October 4, 2021, the Company entered into a Loan Agreement with Main Street Bank of Marlborough, Massachusetts, which provided for a \$2,600,000 Term Loan and a \$250,000 Revolving Line of Credit Loan Facility (the "Revolver"), which was increased to \$500,000 effective May 17, 2022, and \$1,250,000 effective June 2, 2023. 0.015 500000 750000 <table cellpadding="0" cellspacing="0" id="xdx_89F-eus-gaap-ScheduleOfDebtTableTextBlock_zYH18esWw9I" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"><tr><tr style="vertical-align: bottom"><td style="text-align: left">Schedule of long-term debt</td><td></td><td colspan="2"></td><td style="text-align: right"></td><td></td><tr><tr style="vertical-align: bottom"><td style="text-align: left"></td><td></td><td style="font-weight: bold; padding-bottom: 1pt"></td><td colspan="2"></td><tr><tr style="vertical-align: bottom; background-color: rgb(238,238,238)"><td style="width: 83%; text-align: left">Term Loan Note payable to Main Street Bank withmonthly principal payments of \$35,173 excluding six months in Fiscal 2025, plus interest at a fixed rate of7.0 per annum. Secured by all assets of the Company, and subject to certain periodic reporting to the bank and other conditions including an annual minimum EBITDA plus stock-based compensation to debt service coverage ratio of 1.20:1 commencing with the fiscal year ending June 30, 2023. The Term Loan Note matures onOctober 15, 2028</td><td style="width: 2%"></td><td style="width: 1%; text-align: left">\$</td><td style="width: 13%; text-align: right">1,516,667</td><td style="width: 1%; text-align: left"></td><tr><tr style="vertical-align: bottom; background-color: White"><td style="text-align: left"></td><td></td><td style="text-align: left"></td><td style="text-align: right">1,516,667</td><td style="width: 1%; text-align: right"></td><tr><tr style="vertical-align: bottom; background-color: rgb(238,238,238)"><td style="text-align: left">Permanent Working Capital Loan payable to Main Street Bank with<span class="xdx_phnt_RGLzY2xvc3VvZSAIEJBTksgRkIOQU5DSU5HIEFDVEIWSVRJRMgKERldGFpbHMgTmFycmF0aXZIKQA" id="xdx_909-eus-gaap-DebtInstrumentFrequencyOfPeriodicPayment_c20240701_20240930_us-gaap-LongtermDebtTypeAxis_custom-MainStreetBankMember_z0TV44Z2blu9"

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