Precision Optics Manufacturing

APPRENTICESHIP

Optimax’s registered, 3 year apprenticeship program.

Preparing the next generation of opticians for a rewarding, long-term career in advanced manufacturing.

Learn More

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POM Apprenticeship

The Optimax Precision Optics Manufacturing (POM) Apprenticeship program was created to prepare technicians for a rewarding, long-term career in manufacturing. As part of upskilling the workforce in developing optics fabrication technicians, this apprenticeship program will help the industry and Optimax continue to manage and sustain workforce growth.

The program consists of a three-year rotation including all the departments at Optimax to prepare employees with the skills that will help them become productive and technically savvy precision optics manufacturing technicians. Each year of the program is tailored to each apprentice based on the availability of staff and the skills and qualifications of each candidate.

Topics
Each apprenticeship will be structured around the qualifications and needs of the apprentice but will include time spent in every department at Optimax, with a focus on the following topics: grinding, polishing, generating, materials, sales, coating, assembly, finishing, R&D, quality.

Goals
The overall goal of this apprenticeship program is being able to obtain the skills and qualifications needed to be a highly effective optical technician:
- Materials — identify, inspect and qualify
- Optical fabrication process
- Bulk materials — shape and finish to produce optical components
- Manufacturing and testing — operate, maintain and calibrate optics manufacturing and testing equipment
- Optical metrology — perform optical metrology measurements and inspections for in-process work and final inspection
- Assembly — assemble optical components and systems
- Coatings — apply antireflectance coatings to optical components

Qualifications
- Must be a current Optimax employee
- Application — apply and complete an interview process
- Education — must have a High School Diploma or GED
- Complete ACT WorkKeys test (a min. score of 5 is required for math applications and a min. score of 4 is required on the reading for information and locating information tests)
- Complete a spatial/visual aptitude test

Education
In addition to the rotation, each apprentice must take two classes from a community college each year that relate to optics manufacturing.