

Mark Optics - <https://markoptics.com/>

Manufacturing Supervisor/Engineer - Custom Optics

Full time: Monday- Thursday 6am-4:30pm

Starting Salary \$55K-\$70K annual - depending on experience

Are you tired of working for a large corporation? Are you ready for an exciting career with opportunity?

Mark Optics is a small, contract manufacturer specializing in precision optical components, substrates, wafers, and coverslips for over 53 years. Our niche is polishing ultra-thin wafers and substrates. We offer full, in-house, production capabilities. This includes CNC machining, ingot slicing, coring, lapping, and cp polishing of optical materials. We are a small, agile company that works with integrity and a high level of autonomy.

Job Description

The Manufacturing Engineer has a high-level of technical expertise and is responsible for the development and improvement of manufacturing processes by analyzing and evaluating product and manufacturing methodology. They will have substantial experience in the fabrication of optical components. They will work side by side with the other employee as their supervisor. This individual's goals will be to make improvements to current processes as well as introduce new ideas and processes that will improve shop flow and quality expectations. The individual will be responsible for testing, training, and continual monitoring of work processes. They must be detail oriented, able to communicate clearly and strong documentation capabilities.

Job Responsibilities

- Streamline current manufacturing processes for maximum flow and yield
- Cross training, new process implementation and documentation
- Responsible for communicating daily flow through shop
- Support overall production with hands on experience
- Introduce and help procure new machinery and train
- Participate in preparing accurate quotes for new products
- Communicate with customers, suppliers and employees regarding quality issues and concerns
- Works closely with operations manager
- Able to develop detailed work instructions/routings/BOM
- Works with ISO 9001-2015 quality systems

Education/Experience

- The ME will have a BSME and 3 years of proven optical fabrication experience.
- Candidates will be considered without a degree but must have a minimum of 7 years of proven optical fabrication experience.
- Individual will have supervisory skills

Technical Experience

- Experience in QA methodologies are required, such as measurement devices like micrometers, spherometer, interferometer (Zygo & Apre), depth gages, and optical magnification systems such as an optical comparator, microscopes, and CMM.
- Competent in all mathematic operations demanded by optical component fabrication.
- Complex problem analysis and the use of scientific method for resolution.
- MASTERCAM 2021/ CAD / Solid Works per ANSI / ASME Y14 a plus
- Hands On knowledge of optical fabrication equipment and machinery.
- Working knowledge of CNC programming, processes and machinery.
- Working knowledge of optical component features.
- Hands On knowledge of optical materials. This includes optical, chemical, thermal, and mechanical properties of materials used in the manufacturing process.
- Hands On knowledge of polishing compounds and abrasives.
- Working knowledge of chemical interaction with optical material.
- Use of computers for engineering, MRP / ERP, inventory, and company communication.
- Design, document, and build production tooling.

Contact Julie Houser (Julie@markoptics.com)