



# Rochester Precision Optics

## Job Description

<b>Title</b>	<b>Quality Optics Engineer</b>
<b>Department</b>	<b>Quality Assurance</b>
<b>Reports to</b>	<b>Quality Manager</b>

### Job Summary:

Responsible for performing Quality Engineering tasks for Commercial and Military Optics and Optical Assemblies. Including but not limited to Inspection, Training, Quality Planning, Drawing and Standard Interpretations, Order and Quote Reviews, Corrective Action response and implementations, PFMEA, DFQ, DMAIC, etc. Responsible for auditing to the ISO9001 and AS9100 standards. Liaison to Customers, Suppliers, Engineering, Manufacturing and other internal functions. Responsible to generate and implement process improvements and tracking of various process and product metrics.

### Essential Job Duties:

#### Optical Quality Engineer

- Expert knowledge of Military and Commercial Optical Quality Requirements
  - Visually and Dimensionally Inspect Commercial and Military Optical Products
  - Ability to use optical inspection equipment such as interferometers, profilometers, etc.
  - Ability to use mechanical inspection equipment such as micrometers, calipers, dial indicators, etc.
  - Interpret optics drawing requirements for Engineers and Inspectors
    - Know how to read and interpret various drawing schemes
    - Know how referenced standards apply to the product
    - Understand US optics specs and drafting standards
    - Understand ISO optics specs and drafting standards
    - Understand DIN (German) optics specs and drafting standards
  - Train personnel for Optical Technologies, Principles and Inspection
  - Familiarity with Traditional and alternate glass and plastic optical manufacturing processes
- Prepare certifications and data packages
- Write and Implement test plans (dimensional, optical, radiometric, climatic, durability, sampling, data requirements, records)
- Analyze purchase orders / quotes for quality requirements
- Write, Review and Approve supplier corrective actions
- Respond to customer corrective action requests
- Complete Internal Audits to ISO9001 / AS9100
  - Certified Auditor / Lead Auditor preferred
- Expert Knowledge of Quality Tools such as FAI, AS9102, FMEA, DMAIC, DFM, Gage R&R, DFQ, DOE, Six Sigma, etc. preferred
- Ability to inspect Mechanical parts preferred
- Ability to read and interpret GD&T preferred



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## Minimum Requirements:

- Degree in Optical Sciences, or Quality Engineering or related discipline
- 10 years' experience in quality assurance, 5 in Optics
- Strong interpersonal skills
- Strong computer skills
- Background in optics required
- Proficiency in quality system auditing
- Optical experience preferred

## Certifications/Degrees Required:

- Certified ASQ Quality Auditor preferred
- Certified ASQ Quality Engineer preferred
- 6-Sigma Black Belt preferred
- BS/Optics

## Abilities Required:

- Good communication skills
- Blueprint Reading
- Analytical troubleshooting / problem solving
- Computer skills
- Decision making
- Leadership skills
- Good time management skills
- Quality system auditing

## Additional information:

**X** May be exposed to conditions prevalent in a manufacturing environment such as heat and humidity.

**X** Generally works in a clean environment and works to maintain the environment as such.

**X** Requires initiative and mental concentration to learn new skills and techniques.

**X** Safety Glasses are required

**X** Exercises independent judgment when inspecting parts acceptability for further operations

**X** Requires advanced mathematical skills

## Disclaimer:

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified. All personnel may be required to perform duties outside of their normal responsibilities from time to time, as needed.