

Quality Control Engineer

SemiNex Corporation is a small but fast-growing, private, leading manufacturer of high-powered laser modules and optical amplifiers based on indium phosphide and gallium antimonide materials for automotive LiDAR, data communications, medical aesthetics, and industrial sensing applications. SemiNex's high-power semiconductor diode lasers have world-class performance in power and efficiency.

This is a new role reporting to the VP of Operations.

We seek an experienced Quality Control Engineer to guarantee the manufacturing and delivery of our product. Working as an individual contributor, you are responsible for maintaining customer satisfaction and optimizing our return processes in alignment with organizational objectives. Working as a liaison between Engineering, Materials Planning, and Operations, you will play a vital part in maintaining product quality and overall operational efficiency.

Responsibilities:

- Conduct inspections and testing of raw materials, components, and finished products to ensure they meet quality specifications.
- Develop and implement quality control processes and procedures to prevent defects and ensure consistent product quality.
- Analyze data from quality inspections to identify trends, patterns, and areas for improvement. Use statistical methods to assess the reliability and consistency of production processes.
- Oversee the end-to-end RMA process, from initiation to completion. Ensure that returns are handled in accordance with company policies and legal regulations.
- Investigate and identify the root causes of defects or quality issues. Work to implement corrective and preventive actions to address underlying problems.
- Maintain detailed records of quality inspections, test results, and corrective actions taken. Ensure compliance with documentation standards and regulatory requirements.
- Collaborate with production teams, engineering, and other relevant departments to address quality concerns and implement process improvements.
- Conduct regular quality audits to verify that processes are being followed and that quality standards are being met.
- Provide training to production staff on quality control processes, standards, and the importance of maintaining product quality.
- Identify opportunities for continuous improvement in the RMA and quality control process and work towards enhancing overall product quality and production efficiency.
- Generate regular reports on RMA metrics, including return rates, reasons for returns, and resolution times. Provide insights and recommendations based on the analysis of this data.
- Ensure compliance with industry-specific quality standards and regulations.
- Ensure proper cleanroom procedures are followed and quality standards are maintained
- Maintain a clean, safe, and organized work area
- Support a positive and fun work environment!

Requirements:

- Bachelor's degree in Industrial Engineering, Mechanical Engineering, Quality Engineering, Manufacturing Engineering, or a related discipline
- Experience in a cleanroom manufacturing environment



- Minimum 3 years' experience in QA/QC
- Certified Quality Engineer (CQE) from the American Society for Quality (ASQ) or similar certifications are preferred.
- Experience implementing quality management systems, i.e., ISO 9001
- Good communication skills, strong work ethic, positive attitude, and attention to details
- Currently eligible to work in the US (permanent resident)

Physical Requirements:

Good vision and hand-to-eye coordination. This role involves a large volume of visual inspections involving microscopic parts, very small defects, and requires an abundant amount of time working with a microscope. The Quality Engineer may work at a single station for prolonged period of times during the workday.

Work Location:

Danvers, MA near I-95 and US Route 1

Company Background:

At SemiNex, our talented people make us successful. We promote an inclusive environment where we value individuality, differences, and unique perspectives. SemiNex is a fast-growing company that will provide ongoing career growth and advancement for all employees along with competitive compensation and benefits.