



Production (Laser) Engineer

This is a hands-on position and key management role involved with the manufacturing and test of optoelectronics products. This role will lead Production, specifically the packaging and test of laser diodes and laser modules to meet our shipment schedule.

Primary Responsibilities

- Manage the cleanroom; maintain cleanroom protocols, evaluate and improve assembly and test processes.
- Maintain reliable and safe manufacturing systems while improving production rates and quality
- Set up and maintain test stations for laser diodes and semiconductor optical amplifiers (SOA), implementing automated testing where possible
- Characterize optoelectronics including power, wavelength spectrum, voltage, near and far field, power saturation, noise, ASE, etc.
- Provide Engineering with build and test support for first article builds
- Manage a small team of Process Technicians and measure performance against established KPIs
- Ensure materials are properly transacted to maintain an accurate accounting of inventory
- Maintain team training matrix and manage work-cell loading
- Monitor the calibration schedule for all manufacturing tools, fixtures, equipment
- Communicate technical work and results, i.e. writing lab reports and analysis of data
- Meet deadlines, sustain superior personal task management, and deliver consistent high performance
- Help develop and execute laser component reliability and qualification tests
- Research and purchase new manufacturing technologies as needed

Requirements:

- B.S. degree in Optics, Physics, or Engineering
- Experience with building and testing optical or semiconductor devices
- Die-bonding and wire-bonding experience is desired
- Ability to efficiently communicate and understand design ideas and solutions
- Familiarity with ISO 9001 standards and lean manufacturing
- Ability to work independently, as well as in a team environment
- Ability to perform a wide range of technical tasks
- Good work ethic with attention to details
- Ability to motivate and to foster a positive work environment

Work Location:

Danvers, MA near interstate I-95 and US Route 1

Company Background:

SemiNex was founded to bring next generation high-power laser diodes to mass-market applications including in LiDAR, home medical, laser range-finding, and in telecommunications. SemiNex's high-power semiconductor diode lasers have world-class performance in power and efficiency.

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. Benefits include 401k, health insurance, bonus incentives, and company stock.