

## Product Engineer

SemiNex Corporation is a rapidly growing leader in high-powered laser modules and optical amplifiers for cutting-edge applications like automotive LiDAR, data communications, medical aesthetics, and industrial sensing.

Our Product and Applications team is looking for an experienced Product Engineer to take a leadership role in defining products, supporting new product introductions, setting specifications, as well as the Product Marketing of semiconductor optoelectronic devices. This position reports to the Vice President of Product Management.

Our devices encompass a wide range, from high-power Fabry-Perot multi-mode and single-mode laser diodes to DFB laser diodes and semiconductor optical amplifiers, utilizing cutting-edge InP, GaAs, and GaSb material systems.

If you're passionate about pushing the boundaries of optoelectronics and making a significant impact in a fast-paced environment, then this opportunity is tailor-made for you. Come join our team and be at the center of product management that shapes the company's future.

### **Specific Responsibilities:**

- Manage the product portfolios, product roadmaps, and product specifications.
- Working directly with the R&D Engineering and Operation teams to drive the new production introduction (NPI) process.
- Work closely with the SemiNex sales team, acquire the Voice of Customers (VOC) in the product creation process.
- Provide Sales with engineering and product support to ensure customer requests and product inquiries are adequately addressed.
- Work with internal teams to achieve product performance, cost, yield targets, and reliability qualification.
- Develop, document, execute and maintain product specifications in the product database.
- Support marketing in website improvements such as product contents and technology blogs.
- Coordinate with Operations to monitor the yield to ensure the performance and implement corrective actions for deviations while providing continuous improvement.
- Work closely with Application Engineer on failure analysis of defective products either through hands-on evaluation or interaction with Eng & Ops.
- Assist with the continual improvement and creation of documenting for product management.
- Independently and collaboratively develop technical information; write application notes and product information sheets.



**Applicable Experience:**

- General Product Management and Product Marketing
- Technical knowledge about laser technologies and photonics
- Hands-on laser testing and product engineering experience
- Failure analysis of laser diodes and/or other semiconductor devices
- Experienced with new product introductions
- Technical support to sales and business development

**Position Requirements:**

- BS or MS in Engineering, Physics or Optics with minimal 5 years of related experience
- Proficiency in Microsoft Office including Microsoft Project
- Must be hands-on, self-motivated, and able to work as a team member or as an individual contributor.
- Fluent in English with good technical writing skills
- Currently eligible to work in the US (permanent resident or citizen)
- Ability to travel to trade shows and customer visits both domestic and international.
- Position is physically located on-site in Danvers, MA

Compensation is based on skill set and experience.

**Company Background:**

SemiNex was founded to bring next generation high-power laser diodes to mass-market applications including in LiDAR, medical aesthetics, 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.