

DenseLight is looking for passionate and skilled engineers to join our team in the product management, development and production of III-V semiconductor light source devices such as semiconductor Lasers and Superluminescent LED for applications in the diverse fields such as manufacturing, science, medical, communications, infrastructure, transportation, energy and aerospace.

## PRODUCT ENGINEER

### JOB DESCRIPTION

Product Engineers are instrumental in the creation of new product or product family and its development, qualification and transfer to manufacturing operations. They are responsible to provide technical support to manufacturing operations and sales and marketing operations to ensure smooth production process, quality assurance, and to answer technical and engineering questions from customers.

### RESPONSIBILITIES:

- Design and develop a product or product family to support market requirement.
- Establish manufacturing and test procedures for quality assurance of finished product.
- Supports Operations in ensuring manufacturing instructions is accurate to ensure the output is according to planner's demand, on schedule and meets yield & quality targets.
- Ensure products shipped to customer meets the specification and quality requirements.
- Execute product designs activities including such as photonics and mechanical CAD.
- Participates in New Product Development or Product Improvement projects as required.
- Provide technical support to Sales and Marketing to create product information documentations, respond to technical enquiries of current products, define customer requirement and determine product specifications.
- All other reasonable duties, as assigned.

### REQUIREMENTS:

- At least a Bachelor/Master Degree or PhD in Electronics, Photonics or Applied Science
- Good knowledge and understanding in subjects in electronics, optoelectronics, optical data communications, photonics sensing, electronic and optical characterization of photonics devices for optical fiber sensing and datacom.
- 2-5 years' working experience in semiconductor / component manufacturing industry in the similar role is an advantage
- Excellent communications skills
- Able to work productively and efficiently as an individual as well as a team
- Structured, analytical, creative, innovative and goal oriented
- Team oriented, positive working attitude, able to multitask in a fast pace environment

### ADDITIONAL SKILLS:

- Understanding of
  - design of optoelectronic devices
  - fabrication technology of optoelectronic devices
  - fiber-optic sensing and/or fiber-optics Datacom
  - assembly, packaging, and testing of optoelectronic devices
  - reliability, quality standards and qualification test methods of optoelectronics devices
  - photonics technologies in various applications
  - manufacturing systems and ISO requirements