

JOB DESCRIPTION

Job Identification	
Position Title	Process Integration Engineer
Division/Dept./Section	Process Engineering/Process Integration

Organizational Relationship	
Reports to	VP Engineering
Supervises	NA

Job Objective/s
To develop and integrate semiconductor photonics process flows to meet company's technology and product roadmap using in-house manufacturing capabilities and outsourced facilities.

Duties and Responsibilities
<ol style="list-style-type: none"> 1. Plan, coordinate & execute process development and process integration improvement experiments to achieve desired results and with process margin. 2. Collect data, conduct data analysis and generate analytical reports. 3. Lot/wafer process owner and ensure material is processed as per runsheet/traveller. 4. Inspect wafers, reduce defects, and solve any in-line issues. 5. Define, set up and monitor process controls including SPC charts. 6. Work with module owners to define and monitor the right recipes.

Authorities
<ol style="list-style-type: none"> 1. Be the process owner for photonic based compound semiconductor products such as DFB, Quad PIN's, SLED's, ELED's, VCSEL's etc.. 2. Continuous improvement of Process, yield and reliability.

Measures of Performance	
Key Result Area	Measure of Performance
Process development & Integration	Meet Company's technology roadmap
Successful execution	Meet Yield roadmap
Monitoring and Improvement of process capabilities	Process capability maintenance and improvement

Qualification Guidelines	
Minimum Education	Degree (BS) or Post-graduate Degree (MS or Ph) in EEE, Physics, Material Science.
Minimum Experience	Minimum 5 years' working experience with technical background in compound semiconductor or Si semiconductor manufacturing.
Specific Knowledge / Skills	<p>Possesses strong communication skills and the ability to coordinate cross-functionally with R&D, Quality and Operations. Experience in Indium Phosphide / GaAs Photonics, Laser optics engineering, semiconductor fab processing including photo, etch, PECVD unit processes is preferable.</p> <p>Experience using DOE, SPC, data analysis techniques, Lean Manufacturing tools. Knowledge of semiconductor tools and processes and functions. Excellent written and verbal communication skills. Proven organizational skills and multi-tasking skills.</p>

Acknowledge By Employee Upon Commencing			
Employee's Name			
Employee's signature		Date	

Please forward resume to DenseLight HR at hr_recruitment@denselight.com