

Job Description Test Engineer

Approvers/Dates

Approvals are managed in electronic QMS

Revision History

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307 SW Columbia Street
Bend, OR 97702

Test Engineer

SiCamore Semiconductor, Inc.

SiCamore Semiconductor, Inc is a commercial foundry service developing, qualifying and manufacturing power semiconductors primarily in Silicon Carbide and Silicon. We aim to enable our customers' business and delight them as their premier choice for innovation in power devices.

As A Test Engineer, you are....

To work in a dynamic team environment developing and troubleshooting test routines for automated test equipment used in the manufacturing of semiconductor devices. This position will be integral on the test engineering team for a new generation of power semiconductor devices at a high-tech manufacturer. Reporting directly to the Process & Development Manager, the Test Engineer engages with product teams through the various phases of product lifecycle from development through mass production.

Specific Responsibilities Include:

- *Manage and perform test correlations for new products and test program releases.*
- *Design and implement custom test environments to verify device operation to data sheet specifications.*
- *Perform product debug and characterization to support other product team members with validation and characterization.*
- *Develop test solutions for power semiconductor components which meet all applicable safety requirements for both operator and equipment.*
- *Create and document procedures for advanced reliability test.*
- *Continuously improve efforts to reduce test time and improve yield.*
- *Support operations group and product managers as technical contact for product test issues.*
- *Interact with internal and external teams to facilitate efficient deployment of product test.*

To be successful in this role, candidates must possess the following background, skills, and experience:

- Bachelor of Science in Electrical Engineering or related discipline
- Master's degree preferred
- 5+ years of semiconductor product test experience
- Experience in wafer probe and package test highly preferred
- Strong competence in high voltage/high current equipment construction and operation
- High level of attention to detail
- Experience with structured problem-solving methods (e.g. 8D, 5 why)
- Experience with design of experiments and statistics for manufacturing engineering
- Ability to program and learn new programming languages

- Must be fluent in MS Office as well as advanced computer skills
- Good written and verbal communication skills
- Self-motivator; ability to work independently under general guidance and direction

Specific job duties assigned within internal eQMS System.

Compensation is commensurate with experience and qualifications. Company provides medical and dental insurance, paid vacation and sick time off, paid Holidays, and a 401k plan. Each job at Sicamore Semi belongs to a specific job classification which has its own standard pay grade and is grouped in categories according to complexity, responsibility, and impact upon company operations. Non exempt positions may be overtime eligible.

Positions with Sicamore Semi may require a US citizenship or permanent residency to be in compliance with ITAR regulations. If you are not a US resident or citizen, you may be asked to obtain an export license.

SiCamore Semi is an Affirmative Action and Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, gender, sexual orientation, religion, national origin, marital status, age, disability, veteran status, genetic information, or any other protected status.

If you are interested in consideration for this position, please email your resume to jobs@sicamoresemi.com.