

Job Description Process Engineer

Approvers/Dates

Approvals are managed in electronic QMS

Revision History

Revision History is managed in electronic QMS

307 SW Columbia Street
Bend, OR 97702

Process 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 Process Engineer, you are....

Responsible for the development, integration and sustaining of customized and reference processes to achieve desired customer goals for each product. You will troubleshoot and resolve process issues with design of experiments discipline, achieve yield improvements through statistical process control methodology, and manage multiple process areas as required by the business. Additionally, you will interact with customers as a technical area expert to commercialize customers' devices, enabling volume manufacturing at high yields to build customer loyalty and satisfaction. Process Engineers will demonstrate leadership in their field of discipline, be adaptable to daily priority changes, and collaborate in cross-functional teams to develop mutual trust and respect. They demonstrate high standards of ethical and professional behavior, maintain confidentiality, deliver high quality results, demonstrate creativity, and brainstorm solutions to meet business objectives.

Specific Responsibilities Include:

- *Designing, modifying and sustaining semiconductor manufacturing processes to guarantee highly robust product flows.*
- *Training operations team members to run processes and deliver on quality objectives.*
- *Researching, pricing and assisting in the purchase of new equipment to enable new process capabilities.*
- *Writing and maintaining required standard operating procedures and specifications.*
- *Collecting and interpreting data, troubleshooting problems, proposing solutions, and presenting results to senior management.*
- *Proposing and implementing continuous improvements to production processes to reduce costs, increase productivity, and optimize the production line.*

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

- *BS Engineering or equivalent. Four (4) to Fifteen (15) years of engineering experience working in a Semiconductor wafer fab / clean room.*

- *Knowledge of power devices in silicon and/or SiC wafer processes and processing required.*
- *Familiarity with standard wafer fab metrology tools ellipsometers, optical dielectric film thickness measurements, SEM, sheet resistance measurement, C-V plotting, AFM, defect inspection, microscopes (including Nomarsk and Fluorescence) and FTIR.*
- *Experience with SiC device fabrication a plus.*
- *Familiarity with principles of standard wafer fab process and control systems such as: Vacuum systems, mass flow control, thermal processes, chillers, wafer handling, clean room protocols, chemical and gas handling, and general fab safety procedures.*
- *Experience in two or more of the following areas: plasma Etch processing, CVD, oxidation / Diffusion, wet chemical processing, ion implantation and photolithography.*
- *Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, ability to adjust focus*
- *Ability to handle multiple projects at one time.*

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.