



Location: Tempe AZ

Job Title: Senior Process Development Engineer

Essential Duties and Responsibilities include the following:

- Responsible for all current and future photolithography and etch process within Solar Junction;
- Generate resist coat and exposure manufacturing process procedures and standard operating procedures (SOP). Design, execute and analyze experiments;
- Develop a scalable etch process for high volume solar cell fabrication;
- Develop new metal/semiconductor contact design and process;
- Develop advanced novel products with new materials and processes;
- Work closely with team members to select and modify litho/etch equipments and generate new ideas to improve photo and etch processes;
- Perform material characterization and device analysis of solar device. Quality, yield, throughput and cost improvement for photolithography and etch manufacturing process;

Qualifications and Experience

- Master degree or PhD in Engineering and 2+ year experience in solar, semiconductor or disk drive industries;
- Hands-on experience with photolithography/etch tools and processes;
- Capable to use L-edit design tool and thin film modeling software;
- Hands-on experience with metal/oxide deposition;
- Demonstrate ability to make compound semiconductor devices as a main contributor;
- Demonstrated ability to coordinate complex logistics;
- Proven ability to successfully manage multiple projects and meet deliverable deadlines amidst changing requirements, deadlines and priorities;
- Ability to be creative, versatile, efficient and productive with minimal supervision or guidance;
- Excellent written and verbal communication and interpersonal skills.

If interested and qualified, please send your CV/resume to jobs@sj-solar.com with the Position Title in the subject line.