Solar Junction

The Company: Solar Junction Corporation is privately funded and produces the world's most efficient solar cell available for purchase.

Location: Tempe, AZ

Position Title: Process Sustaining Engineer, Wafer Fabrication

Essential Duties and Responsibilities include the following:

- Sustain and improve all current and future photolithography and etch processes;
- Generate travelers for wafer fabrication process for III-V semiconductors;
- 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;
- Responsible for dielectric and metal film deposition;
- Work closely with team members to select and modify litho/etch/dep equipment and generate new ideas to improve photo, etch and dep processes;
- Perform material characterization and device analysis of solar device. Quality, yield, throughput and cost improvement for photolithography, etch and dep manufacturing process;
- Drive innovation and continuous improvement in a fast-paced, dynamic environment.

Qualifications and Experience:

- BS or MS in Engineering and 2+ year experience in solar, semiconductor or disk drive industries;
- Hands-on experience with photolithography/etch/deposition tools and processes, hands-on experience in litho/etch/deposition tool maintenance and improvement;
- Knowledge of photo mask design is a plus;
- Working knowledge of applied statistics (SPC/DOE);
- 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 Lan Zhang @ lzhang@sj-solar.com with the Position Title in the subject line.