



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:** Sr Equipment Technician

**Essential Duties and Responsibilities include the following:**

- Responsible for maintaining and ensuring maximum uptime of all current and future resist coaters, steppers and aligners as well as all other wafer processing fab equipment at Solar Junction.
- Daily operations include ensuring equipment are in working order and within SPC functionality limits to support all areas of our Front-end and Back End Fabrication lines
- Perform routine maintenance on all related equipment
- Trouble shooting and repair equipment in front-end functions area, including inspection, wet etch, solvent, deposition including PECVD, sputtering and evaporators, plasma etching including RIE and ICP etchers.
- Trouble shooting and repair equipment in back end functions area, including tapers, dicers, grinders and packaging equipment including wire bonders, pick and place etc...
- Train and certify technicians and operators to ensure proper understanding of lithography and other process operations.
- Work with process engineers in developing new fab process to improve wafer yield and reduce process cost.

**Qualifications and Experience:**

- B.S. Degree or equivalent and 15+ years' experience in solar, semiconductor or disk drive industries.
- Extensive experience on photolithographic steppers, aligner, SVG track, ebeam evaporator and PECVD tools.
- Ability to trouble-shoot and fix alignment, focus and exposure issues. Ability to maintain robot for wafer transfers.
- Ability to be versatile, efficient and productive with minimal supervision or guidance;
- Able to work on flexible schedule to meet delivery schedule.
- Well organized and excellent written and verbal communication skills.
- This job requires adherence to safety and dress standards, including but not limited to bunnysuits, safety shoes, safety glasses, nitrile gloves, restriction of makeup, etc.