



Solar Junction

The Company: Solar Junction is privately funded and produces the world's most efficient solar cell. In 2012, we are ramping up production to fulfill the increasing order backlog.

Location: San Jose, California

Position Title: MBE Engineer or MBE Technician

Position Description: The Molecular Beam Epitaxy (MBE) Engineer or Technician will be primarily concerned with operating and maintaining the reactor located at the San Jose factory. The position will focus on assisting other engineers and scientists on the team in operation and maintenance of the reactor. Specific tasks include set-up, scheduling, analysis of solar cell production runs, and tool maintenance. This person will also work on collecting and analyzing data to make data driven decisions for yield improvements.

Requirements:

- Associates or Bachelors degree, with a minimum of two years of experience as a MBE engineer or technician
- Phosphide and arsenide MBE experience
- Hands-on experience in MBE reactor maintenance and operation of phosphide and arsenide materials
- Safe handling of phosphide and arsenide materials
- Effective oral and written communication skills
- Good organizational and problem-solving skills
- Experience working in a cleanroom environment
- Experience working with wet chemicals
- Ability to work independently as well as with a team of engineers and scientists
- Willingness to "do whatever it takes"
- Experience handling data and interacting with databases
- Familiarity with Microsoft Windows and Microsoft Office

Desired:

- Experience with production scale reactors
- Experience in structural, optical, and electrical characterization of semiconductor devices and solar cells
- Preference will be given to the candidate with experience in reactor monitoring, troubleshooting, and ensuring maximum tool up-time and yield
- Experience in statistical data analysis and process control and design of experiments

***If interested, please send your CV/resume to [jobs@sj-solar.com](mailto:jobs@sj-solar.com) with "Firebird Red" in the subject line.***