

Inspection, Laser, Polishing Processing Technician**Position Description**

As an Inspection, Laser, and Polishing Processing Technician at SCIO Diamond, you may be responsible for inspection, laser fabrication and polishing of diamond crystals.

As an Inspector, you will provide technical support and perform yield and failure analysis, interacting with our Excel tracking data base. You will work closely with Engineering and Production to monitor grower performance and provide statistical process controls while charting performance. You may be required to perform product failure analysis as directed by the R&D team, providing critical feedback on new processes. In addition to routine inspection and analysis, you will be expected to solve and identify the root cause of failures as well as participate in teams to make long-term yield improvements.

Laser equipment operation and part fabrication, including programing, will be expected. In addition, routine maintenance, optical alignment and power optimization will be performed on these systems. You may be responsible for more than one laser system programing for overnight automated operations. You will inspect your product for quality and adherence to customer specifications.

Polishing will require attention to detail and inspection of the surfaces using a microscope and magnification glasses for surface quality. There will be multiple stations on each polishing machine so multitasking is needed. The ability to make precise measurements and maintain part identification will be required while operating up to four stations.

Position Requirements**Education**

- Bachelor's degree, preferably in an engineering curriculum (mechanical, electrical or chemical)
- Technical degree, with appropriate experience in inspection and analysis, manufacturing systems and semiconductor manufacturing
- Other degrees and equivalent experiences will be considered

General Skills

- Computer literate
- Microscopic experience
- Inspection experience
- Chemical experience

Beneficial skills

- Crystal growth and inspection
- Experience with laser-cutting systems
- Semiconductor polishing experience
- Optical engineering experience
- Semiconductor processing experience
- Gas and liquid delivery systems for vacuum equipment

Desired attributes with a proven record of the following

- Mechanical aptitude

- Troubleshooting
- Computer skills for all Microsoft Suite programs
- Ability to travel (extended in the beginning)
- Ability to multi-task while solving problems
- Excellent listening skills
- Unquestionable work ethic
- Strong written and oral communication skills
- Prioritize tasks
- Independent worker
- Contributing team member
- Extreme attention to detail

Physical Requirements

Manual dexterity sufficient to carry a material ranging from 5 -75 lbs.

Location

Greenville, South Carolina