



Manufacturing Technician II

Job Description:

The purpose of this position is to assemble and test optical, mechanical and electrical assemblies used in precision photolithography equipment utilizing hand tools and fixtures and mechanical and electrical measurement devices in support of Rudolph Technologies production schedules.

Responsibilities:

- Assemble photolithography equipment according to layout plans, blueprints, operating or repair manuals, rough sketches or drawings.
- Perform electrical or mechanical troubleshooting on photolithography equipment to determine problems in non-functioning electro-mechanical equipment used in the manufacturing process.
- Use test and diagnostic equipment to perform checkouts. Rebuild manufacturing equipment as required. May perform equipment modifications as directed by manufacturing engineers.
- Responsible for factory system integration and calibration at the factory and customer site.
- Perform coarse and fine calibrations.
- Use various diagnostic equipment such as volt meters, oscilloscopes and precision mechanical measuring devices

Competency/Experience:

- Technical degree in an engineering discipline or Minimum of 2 – 4 years of experience in assembly, integration and calibrations of photolithography or equivalent equipment in a clean room.
- Frequent domestic and international travel (30-50%) with the possibility of extended stays at customer locations.
- Knowledge of metrology, mathematics, and applicable technical disciplines.
- Proficient with Microsoft Word and Excel
- Proficient with tools. Familiar in the use of various diagnostic equipment such as volt meters, oscilloscopes and precision mechanical measuring devices.
- Capable of working independently in fast paced high pressure environments.
- Must be able to exercise independent judgment in performing the above duties.
- Must be able to effectively interface and report to manager.
- Balance multiple priorities, as well as work independently and provide a high level of support to the Integration Group, Product Group, Engineering, and customers.

Physical Demands:

- Must possess fine motor skills and dexterity to utilize tools and test meters for precision assembly and test of complex assemblies.
- Specific vision abilities required by this job include close vision, peripheral vision, depth perception, and the ability to adjust focus.
- The employee frequently is required to use hand to finger, handle or feel objects, tools or controls and climb or balance.

- While performing the duties of this job, the employee is regularly required to stand/sit for long periods.
- The employee is occasionally required to walk; reach with hands and arms; stoop, kneel, crouch, or crawl; and talk or hear.
- The employee must regularly lift and/or move up to 10 pounds, frequently lift and /or move up to 25 pounds, and occasionally lift and/or move up to 50 pounds.