

Senior Optical/Laser Technician

Halo Industries, Inc.

Palo Alto, California, United States



About

Halo Industries is a startup spun out of Stanford University and funded by a combination of VCs, government grants, and strategic corporate partners. We are developing a novel technology to drastically reduce the cost and improve the performance of advanced materials used in a diverse set of high-tech industries, such as solar, semiconductor, battery, LED and power electronics. We are hitting the ground running after a recent funding round and looking to put together a passionate core group to meet our next milestone of delivering pilot production systems to make the world more connected, efficient and clean.

Description

The Sr. Optical/Laser Technician will assist in building prototype, low-rate initial production, and full production systems as well as rework assemblies in response to failures and non-conformance. You will be responsible for optical/laser assembly, test and calibration, along with data collection and analysis. As a Sr. Optical/Laser Technician, you will have the following responsibilities:

- Assemble, clean, characterize and test electro-optical assemblies and laser/optical systems to meet performance specifications, including the active alignment of lasers
- Troubleshoot and perform problem isolation on laser/optical systems and sub-assembly components
- Collect and evaluate test and build data to ensure process control and product quality based on specific procedures
- Interface with engineers on special tests and qualification testing of new products: This includes developing test methodology, establishing test parameters and drafting procedures
- Develop and maintain data systems to record and report test results. Provide technical input and evaluation on process improvements for manufacturability
- Training of assemblers to perform manufacturing and testing of complex electro-optical assemblies
- Manage production tools to assure that tools are on hand and available for use
- Experience with mechanical motion systems or laser scanning systems is a plus
- Assure that clean room and assembly procedures are being followed
- Analyze equipment performance and schedule maintenance and calibration as required
- Utilize online databases to accurately transact material, and review drawings and bills of material
- Perform failure analysis and determine root cause with minimal instructions

Qualifications

The ideal candidate would have the following specific qualifications:

- Ability to use a variety of testing and measuring and optical instruments (oscilloscope, multimeter, photo detector, microscope, etc.)
- Experience in testing laser systems with multiple wavelengths from 355 nm to 2000 nm
- Knowledge and experience of working in and maintaining a clean room
- Self-starter with the ability to work independently and as a collaborative team player
- Strong organizational skills with focus on detail and quality
- Solid verbal and written communication skills
- Demonstrate a desire to learn technologies outside of their discipline
- Ability to effectively deliver a product within schedule and budget
- High degree of professionalism, character and integrity
- Strong analytical and problem solving skills
- Must be able to lift a minimum of 40 pounds occasionally

Preferred Education & Experience

AS degree or higher in Electronics, Physics, Laser Technology is preferred and 5+ years of related experience in laser alignment and testing optical/laser assemblies.