



**Sheldon Manufacturing Inc.**

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## Electrical Engineer

Sheldon Manufacturing, Inc. was founded with the goal of being a world-leading manufacturer of constant temperature equipment. For over 50 years Sheldon Manufacturing has worked with industry leaders to design constant temperature and environmental control solutions for life sciences and industrial applications. This experience is apparent in every project we engineer. Over the years, our reputation has grown as an innovator of dependable equipment designed for the most demanding environments. The Sheldon Manufacturing Engineering team is looking for an Electrical Engineer to support new and custom product design, machine testing, and machine compliance. They will join a multi-disciplinary team of engineers and will need to be able to work both independently and as part of various teams.

### Responsibilities and Duties:

- Component selection/sourcing with regards to compliance with laboratory equipment safety standards.
- Interfacing with NRTLs (Nationally Recognized Testing Laboratories), such as Intertek, TUV, UL to provide documentation and support for the testing and certification of laboratory products.
- BoM creation and updating
- Product testing, including designing tests given limited information, and reporting results of tests
- Troubleshooting electronics, wiring, and mechanical components
- Programming and tuning of controllers for temperature, gas concentration, vacuum, etc.
- Performing NIST traceable calibration of temperature sensors and controllers
- Wiring diagram creation and editing – using Microsoft Visio and/or other software tools
- Other duties as assigned

### Minimum Qualifications:

- Bachelor of Science in an Engineering discipline (electrical, mechanical, or similar), or 4+ years' experience in a relevant field.

### Preferred Qualifications:

- Familiarity/experience with national, regional, and international standards regarding laboratory equipment, such as: IEC 61010-1, IEC 61010-2-010, EN 61326-1, and others.
- Familiarity/experience with industrial controllers, primarily temperature controllers
- Experience with gas sensors, vacuum sensors, temperature sensors, solenoid valves, pumps, fans, power supplies, refrigeration, etc.
- Experience troubleshooting complex systems involving various types of electromechanical components
- Excellent knowledge of MS Windows, MS Office products including Visio

**Salary Range:** \$50,000.00 to \$80,000.00