

Job Title: Design Engineer

Job Type: Full-time

Pay: \$60,000.00 - \$65,000.00 per year

Overview:

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 a Design Engineer to support new and custom product design, machine testing, and machine compliance. The right candidate will join a multi-disciplinary team of engineers and will need to be able to work both independently and as part of a team.

Responsibilities:

- Interfacing with NRTLs (Nationally Recognized Testing Laboratories), such as Intertek, TUV, and UL to provide documentation and support for the testing and certification of laboratory products.
- Wiring diagram creation and editing – using Microsoft Visio and/or other software tools
- Creating and maintaining bills of materials
- Product and component testing, this may include designing test procedures and documenting/reporting the results
- 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
- Other duties as assigned

Minimum qualifications:

- 2 or 4 year degree in a relevant engineering discipline
- Familiarity with Solidworks

Preferred Qualifications:

- Familiarity with national, regional, and international standards regarding laboratory equipment, such as IEC 61010-1 (training will be available as needed)
- Familiarity 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 electronic and mechanical components
- Excellent knowledge of Microsoft Excel, and MS Office products in general
- 2+ years of experience in an engineering or manufacturing environment