



HOPEWELL DESIGNS, INC.

ENGINEERING, MANUFACTURING, & SERVICE

Mechanical Engineer

Role

Hopewell Designs is looking for an early- to mid-career mechanical engineer who will design, integrate, test, and install our nuclear irradiator equipment and shielding products. We are one of the foremost companies in the world supplying irradiators for calibrating instrumentation for radiation protection and research. We are a small company, but we are expanding and require a self-motivated, dynamic, and resourceful mechanical engineer to help us grow.

Duties include:

- Design of electro-mechanical systems and welded assemblies.
- Production of detailed mechanical drawings for fabrication and assembly.
- Project management of multiple projects through design, fabrication, testing, and installation.
- Definition and implementation of quality checks during fabrication.
- Development and implementation of test procedures to verify system performance.
- Travel for on-site installation and service.
- Technical writing of system manuals, project procedures, and technical specifications.
- Coordination and communication with customers.

Requirements

- BS in mechanical engineering (or related field).
- 2+ year's experience, preferably in industrial automation, machine design, or equivalent.
- CAD experience (we use Autodesk Inventor).
- Knowledge of machine design (e.g. linear motion systems, pneumatics, drive systems).
- Experience with common fabrication techniques (e.g. welding, machining, sheet metal bending).
- Comfortable interacting directly with customers and suppliers.
- Technical writing skills.

Nice-to-haves

- Solid understanding of GD&T.
- Basic understanding of industrial control systems.
- Experience in the nuclear industry in the areas of health physics, instrument calibration, or radiation shielding.
- Experience managing large projects.



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Physical Demands and Work Environment

- Job includes work in laboratory environments at customer sites and in the integration and shop areas in our Alpharetta, GA facility.
- Will work in environments where elevated levels of radiation are present and work near devices that contain radioactive materials or produce radiation when energized. Hopewell utilizes engineering controls driven by ALARA (As Low As Reasonably Achievable) principles to ensure workers receive radiation doses far below federal annual safety limits.
- Use of personal protective equipment may be required including, but not limited to, radiation dosimetry, safety glasses, hard hat, hard toed shoes, and rubber gloves.

Job Details

- Location: Alpharetta, GA
- Status: full-time, non-remote
- Travel: approximately 25%

Background on Hopewell Designs, Inc.

Founded in 1994, Hopewell Designs is the national leader in manufacturing automated irradiator calibration equipment and supplies quality equipment world-wide for the nuclear industry. We also manufacture a broad range of shielding and storage products for the nuclear power, oil well logging, and medical industries.

Our customers include Department of Energy (DoE) laboratories, Department of Defense (DoD) facilities, the National Institute of Standards and Technology (NIST), nuclear power plants, university research laboratories, private industries, and international calibration facilities.

We have a great work environment where innovation and creativity are rewarded and where hard work leads to growth and responsibility. If you are looking for a great place to work where you will be challenged to be your best, send us your resume.

Interested candidates, email your resumes to careers@hopewelldesigns.com.

No recruiters, please.