



Product Development Engineer

Summary/Objective

QuakeWrap is an environment where creativity, based on sound structural engineering principles, is required. We design fiber reinforced polymer (FRP) material to strengthen reinforced concrete, steel, masonry and timber structures including buildings, bridges, piers, piles, retaining walls, pipes, penstocks, culverts and tunnels. You will be participating in the development and manufacturing of many QuakeWrap, Inc. products and innovations. This position will report to the Production Team Manager.

Essential Functions

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Design equipment and tools to improve manufacturing process and field installation
- Design and produce project items through different manufacturing means (additive, subtractive, plastic casting)
- Collaborate with Engineering and Production teams to create custom construction solutions
- Develop new and improve upon system components and accessories
- Generate standard operating procedures (SOP) for manufacturing processes
- Become knowledgeable or be able to learn independently about the industry, latest product innovations, and issues faced by the end user
- Communicate with vendors about raw materials and consumables
- Must be a hands-on engineer with tenacity for overcoming obstacles
- Must be an independent and self-starter individual

Competencies

- Microsoft Office Programs
- CAD Programs: Solidworks, Autodesk Fusion 360, etc.

Supervisory Responsibility

This position does not require any supervisory responsibilities.

Work Environment

This job operates in a manufacturing and production environment. This role routinely uses power tools and machining equipment. The performance of this position will require exposure to areas where the use of personal protective equipment are mandatory.



Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

During the manufacturing of composite systems, the employee will need to wear a respirator for extended periods of time. A respiratory fit test will be administered to check fitness level and ensure proper fitting of respirator.

Position Type/Expected Hours of Work

This is a full-time position. Days and hours of work are Monday through Friday from 8am to 5pm with some flexibility.

Travel

Expect to travel up to 10% of the time to tradeshow and jobsites. May be required to commute between facilities (main office and manufacturing building).

Required Education and Experience

- Bachelor's degree (BS) in Civil, Mechanical Engineering or related field
- Understanding of drawing standards
- Prior experience with composites (preferred but not required)

Location:

MAIN OFFICE:

6840 S. Tucson Blvd.
Tucson, Arizona 85756

MANUFACTURING BUILDING:

2055 E 17th St.
Tucson, Arizona 85719

Compensation: \$45,000-\$50,000 Annually DOE

Other Duties

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

Contact Information

Please submit your cover letter, resume, and college transcripts to Laura Farias, HR and Payroll Manager.

Email: hr@quakewrap.com