



TCR Composites is a manufacturer and supplier of composite Prepreg materials located in Ogden, Utah; serving customers globally. TCR Composites is a growing company offering a good work environment, challenging career opportunities, and a comprehensive benefits package. We are currently seeking a Mechanical Engineer. TCR does not offer a relocation package.

### **Job Summary/Objective**

This position is responsible to perform engineering duties including plan layout, process flow, designing and building tools, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of electromechanical production equipment. This position reports to the Engineering Manager.

### **Essential Functions**

- Create technical reports, technical drawings, and 3D models.
- Create reports regarding process performance.
- Research, design, evaluate, install, operate, or maintain mechanical products, equipment, systems or processes to meet requirements.
- Confer with engineers or other personnel to implement operating procedures, resolve system malfunctions, or provide technical information.
- Develop, coordinate, or monitor all aspects of production, including selection of manufacturing methods, fabrication, or operation of product designs.
- Investigate equipment failures or difficulties to diagnose faulty operation and recommend remedial actions.
- Develop or test models of alternate designs or processing methods to assess feasibility, sustainability, operating condition effects, potential new applications, or necessity of modification.
- Specify system components or direct modification of products to ensure conformance with engineering design, performance specifications, or environmental regulations.
- Recommend design modifications to eliminate machine or system malfunctions.
- Oversee installation, operation, maintenance, or repair to ensure that machines or equipment are installed and functioning according to specifications.
- Conduct research that tests or analyzes the feasibility, design, operation, or performance of equipment, components, or systems.
- Design test control apparatus or equipment to develop procedures for testing products.
- Provide feedback on customer problems or needs.
- Estimate costs or submit bids for engineering, construction, or extraction projects.
- Understand and utilize design tools and modeling analysis tools.
- Reviews engineering specifications and related information to obtain knowledge of manufacturing methods, procedures, and activities and provide recommendations for process optimization.
- Estimate mechanical testing fabrication and testing costs and participate in bids/proposals.
- Hands on machine building and process testing.
- Participate in root cause analysis and contribute significantly to process improvement efforts.
- Update job knowledge by participating in technical and educational opportunities, reading technical publications, and overall increasing professional footprint within the composites industry.
- Build strong and collaborative relationships with upper management and peers.
- Desire and ability to mentor and train junior engineers.



## **Competencies**

- Project Management
- Decision making/problem solving/analysis
- Resolving conflicts and negotiating with others
- Technical capacity
- Excellent written and oral communication skills in the preparation and presentation of technical reports
- Professional demeanor, with respect for people in all situations
- Self-Starter / self-Motivated /flexible team player / honest with good integrity
- Positive customer focused attitude – comfortable exploring new business opportunities with potential customers and taking an active role in business development
- Enjoy fast pace and rapidly changing environment
- Financial Management
- High degree of accuracy in work
- Ability to meet deadlines
- Organizing, planning, and prioritizing work
- Basic computer skills

## **Required Education and Experience**

- Bachelor's Degree in engineering or related technical field
- Five or more years' related work experience
- Composites material processing experience
- Proficiency in SolidWorks software

## **Required Certifications**

None.

## **Supervisory Responsibility**

This position has no supervisory responsibilities.

## **Work Environment**

This job operates in both a clerical office setting, machine building and in a materials processing setting. This role routinely uses standard office equipment such as computers, phones, photocopiers, filing cabinets, fax machines, hand tools, milling machines, and works with chemicals and solvents.

The performance of this position may frequently require exposure to the manufacturing and testing areas, which require the use of personal protective equipment. Some exposure to various noise levels can be expected.

## **Physical Demands**

- Regularly required to talk and hear
- Position requires sitting, standing, walking, bending, kneeling and stooping
- Frequently lift and/or move items up to 50 pounds
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus
- Fine motor skills

**Position Type/Expected Hours of Work**

Position is exempt, full-time; Monday – Friday 7:30 a.m. – 4:00 p.m. Evening and weekend work may be required as job duties demand.

**Travel**

Occasional travel will be required.

**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.

**EEO Statement**

The Company does not discriminate against any employee or applicant because of the following legally protected characteristics: race, color, religion or creed, national origin, sex, sexual orientation, gender identity, pregnancy (including childbirth, lactation and related medical conditions), age, marital status, physical or mental disability, veteran status, genetic information (including characteristics and testing), or any other characteristic protected by federal, state or local law. This policy covers all personnel practices, including but not limited to hiring, promotion, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, selection for training and employee benefits.