

## Job Description

POSITION: **(Sr.) Mechanical/Materials Engineer**

### POSITION SUMMARY

This position is responsible for the design and technical support of electrical connectors and cable assemblies for harsh environments. The Engineer designs and executes engineering projects to produce and test products and works closely with manufacturing, quality, and sales personnel.

### POSITION QUALIFICATIONS

- B.S. Degree or higher in Mechanical Engineering and recent experience in a manufacturing environment.
- *Sr. Engineer: Minimum of 5 years experience*
- Thermoplastic Molding of engineered materials and high temperature filled materials, for multi-component molding, TPE over molding, and insert molding.
- Product design and development, internal precision design & mold making, thermoplastic & elastomer process engineering.
- Elastomer part design, elastomer physical properties & performance, quality assurance & standards, elastomer mechanical function modeling with FEA, plastics & TPE mold filling modeling, twin-screw process modeling and rheological properties
- Experienced in customer relationships during career of new product introduction & development, technical sales, customer technical service.
- Knowledge: design and development, materials (plastics, metals, elastomers and metal finishes) and manufacturing processes (machining, turning, injection molding, plating, product assembly and cable harness assembly).
- Travel is limited but occasional during the year, potential for international locations.
- Computer skills: Proficiency in MS Suite, Solid Works, and basic computer programs required.

### ESSENTIAL POSITION RESPONSIBILITIES

- Directs and coordinates all activities necessary to complete assigned engineering projects.
- Designs and executes engineering projects including production of necessary manufacturing documentation.
- Ensures that technical assistance and information are available for all manufacturing operations for assigned projects or areas of responsibility.
- Handles discrepant materials in accordance with company quality policies on those products or projects in which they are qualified.