

## Job Description: Mechanical Designer

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**Summary:** GenMet's Mechanical Designers prepare technical drawings (blueprints) used to build a wide array of fabricated metal products, as well as the required inspection documentation that is used to perform quality assurance. They also assist in the programming of automated manufacturing systems and in the quality inspection of products.

**Essential Duties and Responsibilities** include but are not limited to the following:

- Translate customer requirements, drawings and specifications into fabrication drawings, as directed by GenMet engineers
- Incorporate Design For Manufacturing best practices and Continuous Improvement (lessons learned) in the drawings.
- Assure consistency of drawings with fabrication routings.
- Assist in the programming of automated manufacturing and measurement systems.
- Inspect the conformance of produced items with the drawing intent.
- Support Purchasing, Estimating and Quoting activities with drawing related information.
- Address design variations with customers.

### **Essential Skills/Qualifications:**

- Extensive blueprint reading, interpretation, measurement and reporting.
- The ability to assist others with understanding blueprints and specifications.
- Experience using Computer Aided Drafting programs.
- Use of Microsoft Office programs and ability to learn new software as required.
- Basic skills in effective verbal and written communication.

### **Desirable Skills/Qualifications:**

- Experience using the Solidworks CAD program to create sheet metal drawings.
- Working knowledge of Geometric Dimensioning and Tolerancing.
- Quality inspection and root cause analysis in metal fabrication related processes.
- Experience operating metal fabricating machinery.
- Experience with the integration of components into assemblies.
- Ability to document assumptions and lessons learned, and to integrate them in future product designs.
- Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with abstract and concrete variables.

### **Educational and Other Requirements**

Associate's Degree in a related field or a minimum of 1 year Manufacturing Engineering or Mechanical Drafting experience.

**Cultural Requirements**

- Demonstrate uncompromising ethical behavior (military experience highly regarded)
- Value team accomplishments over personal/individual accomplishments.
- Attention to detail.
- Well organized and self-directed to complete tasks in a timely manner.
- Thrive in a fast paced environment.
- Desire to learn in a mentoring and rotational job training program, provided by GenMet.

**Other Desirable Characteristics**

- Drive moderate distance by car/van.
- Lift objects up to 40 lbs.

**Additional**

All employees are expected to abide by and support the values, culture and mission of GenMet Corp. The job duties as outlined are intended to represent the major elements of this role within the organization. They are not to be considered all inclusive. Other or modified duties may be assigned as appropriate.

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