

POSITION TITLE: Mechanical Engineer II

JOB DESCRIPTION

Summary

Under limited supervision of the Engineering Support Supervisor, the Mechanical Engineer assists with the designs, develops, and tests all aspects of mechanical components, devices and equipment. Performs product development activities, including drawing board layout and interpretation, customer specifications, and documentation requirements. Normally receives general instructions on routine work and detailed instructions on new assignments.

Essential Functions

Responsible for the mechanical development of 19 inch rack chassis and other electronic enclosures using catalog parts and original designs (machined parts and sheet metal). Analyze and test designs to ensure compliance with commercial and military environmental specifications. Responsible for the generation of fabrication drawings and assembly documentation.

- 3 – 5 years experience 3D modeling and design of sheet metal parts, machined parts and assemblies using SolidWorks 2014.
- 5 – 8 years experience in Cad drafting environment working to Drawing Requirements manual or Mil-STD-100.
- 5 – 8 years experience performing product development activities, implementing customer specifications and documentation requirements.
- Read and interpret drawings and specifications
- Detail oriented with good organizational skills both with computer and non-computer related items.
- Requires strong oral and written communication skills.
- Requires math skills in mechanical engineering.
- Great problem solving/analysis skills.
- Ability to understand and carry out detailed, technical instructions.
- U.S. Citizenship required.

Preferences

- Experience in the use of Finite Element Analysis software.
- Experience in the design of the chassis and enclosures to meet various military environmental requirements (vibration, shock, thermal and EMC).
- Working knowledge of ASME/Y14.5.
- Working knowledge of Agile CM system.
- BSME or equivalent experience.

Competencies

- Technical Capacity
- Communications Proficiency
- Problem Solving/Analysis
- Thoroughness/Attention to detail
- Reliability

Work Environment

This job operates in a professional office environment, but in a manufacturing company. This role uses standard office equipment such as computers, phones, photocopiers, scanners, filing cabinets and fax machines.

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. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is regularly required to sit for long periods of time, use hands to finger, handle or feel. The employee is frequently required to reach with hands and arms, talk or hear. The employee is occasionally required to stand, bend, reach, and walk. The position requires some light physical effort. This would require the ability to lift or move objects up to 10 pounds and occasionally lift or move objects up to 25 pounds. Specific vision abilities are required by this job which includes close vision, distance vision, color vision, and ability to adjust focus.

Position Type/Expected Hours of Work

This is a full-time position with a minimum of 40 hours per week.

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.