



Mechanical Engineer I, II or III

Business Unit: Miltope Corporation

Location: Huntsville Customer Focus Center

This position is an exempt salaried role which normally works a 9/80 work schedule.

Who YOU are and what You can become:

You are a high performing Mechanical Engineer with attention to excellence and detail. You have a drive for high quality rugged packaging designs for electronics. You have a history of creative solutions to meet new challenges and improve current products. You can work closely with electrical engineers and business development to ensure a “system approach” to product development. You have experience in designing for rugged environments for products that will be fielded for many years. You are looking for a role that ultimately serves a noble purpose...like our nation’s warfighters and bring them the best of the best.

Who WE are and where WE are going:

At **ST Engineering North America Government, Miltope Corporation** we apply our technology and innovation to solve real-world problems and improve lives. Our dedication to excellence and our strong track record have earned us a distinctive reputation for quality and trust as a global technology, defense and engineering group. Our diverse portfolio of businesses spans the aerospace, smart city, defense and public security segments. We are continuing to grow as our expertise and facilities around the world keep aircraft flying safely and transform and future-proof cities to make them more mobile, more secure and more livable.

What YOU will do:

You will design enclosures for a variety of new products that include rugged laptops and embedded computer systems to meet customer requirements and environmental standards. This position is functionally responsible for product development, and mechanical design for Miltope’s current and future rugged products in the commercial, military, and airborne marketplace. You will be part of the development team creating designing products from concept through production. The position is involved in the different aspects of mechanical engineering, such as the investigation of product failures, setting up and conducting tests of complete units and components under operational conditions to investigate design attributes or other factors, or to obtain data for, production, development, standardization, and quality control. You will be involved in wire harness design, connector selection, and design for manufacturability as well. This position will be located in our Huntsville Customer Focus Center.

ESSENTIAL FUNCTIONS *(To perform within this position successfully, the incumbent must be able to perform each essential duty satisfactorily. Other duties may be assigned.)*



- Create and release product mechanical requirements, design specifications and technical descriptions for assigned projects, as required by applicable military, airborne, and commercial design standards and internal procedures.
- Create robust mechanical designs by analyzing vibration, impact, EMI, and thermal resistance for compliance with military, airborne, commercial, and customer requirements.
- Participate in Mechanical concept planning and design of new products and enhancements to legacy products.
- Create Drawings for documentation
- Providing technical input in the preparation of customer proposals
- Risk Assessment
- Prototyping/testing
- Pilot production support
- Design reviews
- Design Verification, Validation, & Qualification
- Root cause analysis & Corrective Action implementation
- Support and investigate production problems
- Develop new, and improve existing tools used in the manufacturing process.
- Provide Design for Manufacturing (DFM) principles to R&D Engineering on new designs.

Supervisory Responsibilities: No

BASIC QUALIFICATIONS *(The requirements listed below are representative of the knowledge, skills, and/or ability required and preferred for this position.)*

Required Education & Experience:

- Bachelor's Degree in Mechanical Engineering (or related field)
- Minimum of 3 years of experience as a Mechanical Engineer

Required Knowledge, Skills, & Abilities:

- Must possess superior mechanical engineering and communication skills and be capable of interacting with all engineering disciplines.
- Can work collaboratively and independently.
- Must be proficient in industry standard 2D and 3D mechanical design tools (SolidWorks, Creo, AutoCAD, etc.).
- Experience in designing metal enclosures and gaskets.
- Experience in mechanical design/packaging to meet temperature, shock, vibration, and EMI requirements.
- Must have experience in taking designs from conception to production.



- Ability to research solutions and apply advanced tools and techniques to resolve engineering challenges.
- Ability to organize, schedule, budget and coordinate work phases; excellent time management skills.
- Strong interpersonal, verbal and written communication skills to interface with internal employees, external customers, vendors, and be able to accurately document, report and present.
- Proficient with Microsoft Office (Word, Project, Visio, Excel & PowerPoint); proficient experience using internal ERP systems.
- A drive for results in a teambuilding environment.
- No travel restrictions.
- Ability to obtain and retain a security clearance.

Physical Demands and Work Environment:

Position environment is neutral with low to moderate noise exposure, is a seated position requiring the extended use of a computer and computer equipment. Position may infrequently be required to move equipment and other machinery up to 50 pounds across a room. The employee is occasionally required to stand, walk, reach with arms and hands, climb or balance, and to stoop, kneel, crouch or crawl.

YOU get more than Just compensation with Miltope:

- 401K with rich company match
- Medical/Dental/Vision Insurance
- Disability
- PTO
- Tuition Assistance
- Life and Accidental Death Insurance
- Development and Career Growth Opportunities

Please contact:

Human Resources at hr@miltope.com

It takes diverse talent to solve real-world problems. ST Engineering/Miltope Corporation is deeply committed to building a workplace community where inclusion is valued, and everyone feels welcomed. We're proud to consider all qualified applicants for employment without regard to race, color, religion, sex, pregnancy, family status, marital status, sexual orientation, national origin, disability, age, or veteran status, or any other legally protected grounds. So, bring us your personal experience, your perspectives, and your background. It's through our differences that innovative changes are made.



Miltope Corporation is committed to providing reasonable accommodations to qualified individuals with disabilities in the employment application process. To request an accommodation, please contact our Human Resources Team at hr@miltope.com.