



**CUSTOM MANUFACTURING
& ENGINEERING™**

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Suite 360
Pinellas Park, FL 33782
www.custom-mfg-eng.com

Mechanical Engineer

Job ID#: 2022-19A
Regular/Temp: Temp/Temp to Perm
Full-Time/Part-Time: Full-Time

3 Steps to CME Hiring:

1. **Complete Application at [ApplicantPro](#)**
2. **Take Both Predictive Index Assessments**
3. **Gather Info for Interview:** Last 2 W2's, Complete Background Check Form, COVID-19 Vaccination Card

Job Summary: Are you someone who has a passion for finding innovative mechanical design solutions to complex problems? As Mechanical Engineer at CME, you will use principles and techniques of mechanical engineering to design parts, assemblies, and systems to meet customer's specifications/requirements by meeting cost, performance, and schedule. You will also research components for best design, create & update documentation, and ensure manufacturability of product. You will take proactive lead on project mechanical design issues and suggest/create alternatives. If this is something you have a passion for, we want to speak to you!

DUTIES AND RESPONSIBILITIES

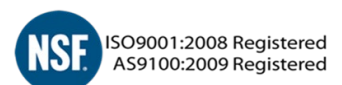
- Works independently on a varied/multiple activities while continuously resolving problems
- Work daily with multi-discipline teams on new product design and continuous improvement of electrical and electro-mechanical product & systems
- Research and analyze customer design proposals, specifications, and other data to evaluate the feasibility, cost, and maintenance requirements of designs to meet customer requirements as well as CME's schedule and budget
- Provide design/development oversight of engineering development projects for electro-mechanical systems
- Create, read, and interpret blueprints, technical drawings, schematics, & computer-generated reports using drafting tools (CAD) and create operating procedures
- Develop detailed documentation packages including the execution of test plans and protocols & Provide support for Manufacturing Process Development Engineering methodologies, relevant tests and/or certifications of electro-mechanical products
- Awareness of Industry 4.0 automation and interested in implementation of these modernizations
- Confer with others to provide technical information for designs and assist with bid proposal activities.
- Oversee the installation, operation, and maintenance/repair of machines and equipment
- Other duties as assigned

JOB QUALIFICATIONS:

- Knowledge of:
 - Machines and tools, including: designs, uses, repair, and maintenance.



We Love to Design and Build!



- Design techniques, tools, and principals involved in production of precision technical plans, blueprints, drawings, and models
- Raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods
- Design of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming
- Design for Manufacturing & Assembly to Military Grade specs
- Supply Chain & Issues Related
- The Mathworks MATLAB, Autodesk AutoCAD software; SolidWorks CAD software; Thermal and structural computer analysis software
- Experience with Rockwell Software, environmental testing to MIL-STD-810 and MIL-STD-901
- Identify the strengths and weaknesses of alternative solutions using scientific rules and methods to resolve problems taking into consideration the relative costs and benefits of potential actions
- Strong Communicator (both written & oral) with Active Listening Skills
- Ability to analyze & inform when something is wrong or is likely to go wrong while providing solutions
- Familiarity with ERP software, Deltek CostPoint (preferred)
- Adherence to Configuration management and revision control

MINIMUM REQUIREMENTS NEEDED:

- **Bachelor's Degree—Mechanical, industrial, or another related engineering field; MS degree preferred**
- **At least one (1) year of related experience in mechanical design of electronic & electrical products, components, subassemblies, and/or finished goods.**
- **Positions with CME require access to controlled goods and technologies subject to the International Traffic in Arms Regulations or the Export Administration Regulations. Applicants for these positions need to be "U.S. Persons," as defined in these regulations.** Generally, a "U.S. Person" is a U.S. citizen, lawful permanent resident, or an individual admitted as a refugee/granted asylum.
- **Background, Reference, Credit, & Drug Test, and fully COVID-19 Vaccinated.**

Custom Manufacturing & Engineering, Inc. (CME®) works with aerospace/defense and industrial customers to produce cables & wire harnesses, power supplies & distribution equipment, special test equipment; CME's products are used by the US military and other industries around the world. CME is also a big supporter of STEM as well as sustainable efforts & education.

CME operates on the EOS System and company focused on a Culture of Accountability. Our 5 Core Values drives everything we do as employees and the results for our customers. CME's 5 Core Values are: Resolves Problems, Works with Energy & Passion, Challenges Themselves, Serves the Customer-Protects CME, and Delivers! To read more about our company culture and values, please go to: <https://www.custom-mfg-eng.com/careers.html> and click on the tab "Culture of Accountability."

CME is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status.

Removal Date: 01-June 2022