



Systems Test Engineer

Job ID#: 2022-10A
Regular/Temp: Temp/Temp to Perm
Full-Time/Part-Time: Part-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 working cross functional engineering teams/disciplines? CME has an exciting and challenging opportunity to become our Systems Test Engineer! You would be responsible for the planning and execution of electrical and mechanical testing on multiple projects meeting: cost, performance and schedule. You will ensure all program integration and test milestones are coordinated and completed on time ensuring the design (and manufactured products) meet the Systems Engineering Lifecycle you establish; additional responsibilities include: bid & proposal input, requirements management, design reviews, integration & test, and risk management. You may participate in integration testing with hardware products, development environments, distributed environments, point of need operations, and other system level features and capabilities.

Duties and Responsibilities:

- Work daily with multi-discipline teams on new product designs creating system specifications to meet customer and contractual requirements
- Ensure cost, performance, and schedule milestones for the systems you design and/or ensure continuous improvement of
- Provides design/development oversight of engineering test projects for electro-mechanical systems utilizing technical engineering leadership
- Responsible for design success, test verification, prototyping and demonstrations to include all design verification and/or test validation methods for transfer to the manufacturing environment.
- Write detailed documentation packages including the execution of test plans and protocols.
- Provides support for Manufacturing Process Development Testing methodologies, standards, and relevant tests and/or certifications of electro-mechanical products.
- Responsible for research, planning, implementation, and training of new test equipment/procedures
- Work with Quality to develop test protocols and process controls.
- Develops thermal modeling, simulation and final testing and validation of product including coordination of environmental/EMI testing
- Awareness of Industry 4.0 automation and interested in implementation of these modernizations

- Other duties as assigned

Job Qualifications:

- Relevant testing experience in manufacturing and engineering environment
- Ability to interpret procedures and create detailed guides for user activities as well as determine success or failure of the test procedures
- Ability to assess technical problems and provide a range of applicable solutions
- Knowledge of applicable, wide range of Industry Specifications (ASTM, IEEE, SAE, ASME, etc.)
- Experienced with data acquisition and data logging solutions
- Experienced with System dynamic analysis, stress analysis, fatigue analysis, static test, vibration analysis and environmental test including thermals, vibration and shock.
- Understanding of controls, panels, industry automation/robotics, power systems, cable assemblies, circuit card assemblies, buss requirements, etc, desired
- TestStand/Labview experience desired
- Adherence to Configuration Management and revision control

Minimum Requirements Needed:

- Bachelor degree in Engineering
- Electrical Engineering and electronic test systems experience
- **COVID-19 Vaccinated.**
- **Completion of Require Predictive Index Assessments (behavior & cognitive), Background Check, Reference, Credit, & Drug Testing**
- **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," per regulations. Generally, a "U.S. Person" is a U.S. citizen, lawful permanent resident, or an individual who has been admitted as a refugee or granted asylum. CME cannot accept any person for employment who does not meet employment eligibility requirements, E-Verify verification, and/or is in the U.S. under a student (F1 and/or OPT, J1, or M1) and/or temporary work visa.**

Travel Percentage Required: Minimal & Usually Local to Vendors. 0% -5%

Custom Manufacturing & Engineering, Inc. (CME®) is a 25 year old award-winning Tampa Bay small business which designs and manufactures custom-engineered and build-to-print/spec products/systems. Our team 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 including: www.solar4STEM.com

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