

Technician

Job Summary:

Are you someone who has a passion for analyzing, calibration, and repair of electrical & electronic: assemblies, components, products, and systems? CME is looking for the right problem-solving person to be our Electronic Technician. As an Technician you will apply electronic theory and electrical related knowledge, to build, calibrate, repair, trouble-shoot, and modify electrical components (circuitry, controls, and machinery) to customer specifications/requirements.

Duties and Responsibilities:

- Read and understand schematics, mechanical drawings, BOMS and wiring diagrams, and engineering instructions for assembling electronics units, applying knowledge of electronic theory and components
- Test electronics/electrical units, using standard test equipment, and analyze test results to evaluate performance and determine need for adjustment
- Perform preventative maintenance and calibration of equipment/systems
- Prototyping including wiring assembly, soldering, test and troubleshooting
- Perform highly skilled SMT fabrication and rework
- Knowledge & use of lab test equipment: DVM's scopes, function generators and power supplies
- Use and apply electronic theory including Ohm's Law, digital logic, resistors, capacitors, semiconductors and transformers
- Assemble, test, and maintain circuitry or electronic components according to engineering instructions, technical manuals
- Knowledge of electronics, using hand and power tools
- Adjust and replace defective or improperly functioning circuitry and electronics components, using hand tools and soldering iron
- Write reports and record data on testing techniques, laboratory equipment, and specifications to assist engineers
- Identify and resolve equipment malfunctions, working with manufacturers and field representatives as necessary to procure replacement parts
- Maintain system logs and manuals to document testing and operation of equipment
- Provide user applications and engineering support/recommendations for new and existing equipment as well as repair reports/estimates for service

Job Qualifications:

1. Knowledge of calibration, circuit boards, chips, computer hardware & software, electronic equipment, machinery and tools, and processors, including applications and programming with ability to troubleshoot
2. Knowledge of the practical application of engineering science and technology for the design and production of various goods and services
3. Ability to apply hands-on experience to design techniques, tools, and principals involved in production of precision technical plans, blueprints, drawings, and models
4. Knowledge of skilled SMT fabrication and rework
5. Basic computer skills: MS Office, Visio and schematic capture (Althium/Orcad a plus), Dozuki

6. Preference for details & ability to accurately produce/reproduce product
7. Proficient communication in writing

Minimum Requirements Needed:

- High School or AA/AS degree from an Accredited College/University (AA/AS degree preferred)
- 2 years of experience, specialized training, and/or trade/vocational school
- 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 who has been admitted as a refugee or granted asylum.
- Successful Passage of Required Screenings & Tests: Background Check, Reference, Credit, and Drug Testing
- **You have been completely vaccinated for COVID-19**

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 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.*

*As a U.S. defense contractor CME is also subject to additional rules and regulations regarding the hiring of foreign persons. **In compliance with U.S. federal law, all persons hired will be required to verify identity and eligibility to work in the United States; 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.** For the purposes of clarification, the I-9 defines eligibility of an employee as a: U.S. citizen, permanent resident card or alien registration card (Form I-551), a person with a temporary I-551 stamp on their passport or U.S. immigrant visa, and/or passport from the Federated States of Micronesia (FSM) or Republic of the Marshall Islands (RMI) with Forms I-94 or I-94A indicating nonimmigrant admissions under Compact of Free Association between the U.S. and FSM or RMI.*