



CMEHR@Custom-mfg-eng.com
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Electronic Technician I

Job ID: 2021-17B
Regular/Temp: Reg
Full-Time/Part-Time: Full-Time
Submit Reply and Resume to: CMEHR@custom-mfg-eng.com

MUST complete Predictive Index test before applying:

<https://assessment.predictiveindex.com/54R/a373fc09-9154-45b2-af10-1eb8ed642fab?type=candidateba>

Job Summary:

CME is looking for someone who has a passion for solving technical problems and manufacturing electrical components. We have an exciting opportunity for the right person to become our Technician I. As Technician you will apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions.

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 units, using standard test equipment, and analyze results to evaluate performance and determine need for adjustment
- Perform preventative maintenance and calibration of equipment and systems
- Prototyping including wiring assembly, soldering, test and troubleshooting
- Perform highly skilled SMT fabrication and rework
- Utilize lab test equipment including DVM's scopes, function generators and power supplies
- Use 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, and 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 and recommendations for new and existing equipment with regard to installation, upgrades and enhancement
- Provide repair reports and estimates for serviceable production units
- Provide customer support and education, working with users to identify needs, determine sources of problems and to provide information on product use
- Other duties as assigned

Job Qualifications:

- Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services
- Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming with ability to troubleshoot
- Knowledge of machines and tools, including their designs, uses, repair, and maintenance
- Knowledge of transmission, broadcasting, switching, control, and operation of telecommunications systems
- Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models
- Knowledge of skilled SMT fabrication and rework
- Basic computer skills: MS Office, Visio and schematic capture (Althium/Orcad a plus)
- Identifying complex problems, determining causes of operating errors, and reviewing related information to develop and evaluate options and implement logical solutions
- Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes
- Communicating effectively in writing as appropriate for the needs of the audience
- Pays attention to detail

Minimum Requirements Needed:

- High School or AA/AS degree (trade or tech school) from an Accredited College/University
- Two years of specialized training in trade or vocational school (Associate's degree preferred)
- At least 2 years of related experience in electronics
- 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

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

An award-winning Tampa Bay small business for two decades, Custom Manufacturing & Engineering, Inc. (CME®) delivers Engineering, manufacturing, test, and calibration/repair services to Government and Industry. Join us at CME, where one can "Use Our Expertise to Design & Build Your Solutions" CME's culture is embodied by Core Values that are focused on: Serving the customer while protecting CME, delivering quality products and services as required, solving problems, working with energy and passion, and encouraging and developing employees that challenge themselves.

As a strong supporter of Science, Technology, Engineering and Math (STEM) and other select charitable initiatives, CME promotes and encourages employee community support to nonprofit organizations or educational institutions, especially for mentoring and school/student support. Most of CME's products and services are focused on the development and manufacturing of energy efficient and sustainable products such as more efficient power supplies, intelligent power distribution units, energy saving solar panels, and other electronic systems, end products, or components. (www.custom-mfg-eng.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.*

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, orM1)

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.

Removal Date: July 1, 2021