



## Electronic Assembler III

*Department: Production*

*Reports To: Production Manager*

### Who we are

Tucker-Davis Technologies (TDT) designs, manufactures and sells highly innovative instrumentation and other tools for use in neuroscience research. TDT products are utilized in leading-edge experiments in university, government, and private labs all around the world.

### We're looking for you

Alachua FL, OEM Electronics Manufacturer seeks experienced technician for fine detail soldering & parts placement with use of microscopes & cameras. Must be able to identify opens, shorts and poorly soldered joints on SMT assemblies.

### Essential Duties & Responsibilities

*Detailed below are duties and responsibilities of position, other duties may be assigned.*

- Performs fine detail work on surface mount assemblies. Identifies opens, shorts and poorly soldered joints on all SMT package types. Uses convection de-solder to remove SMT parts, replace parts as required. May perform assembly operations under microscope or other magnifying device.
- Reads diagrams, assembly and schematic drawings, and receives verbal and written instructions regarding work assignment. Installs components and parts such as switches, transformers, transistors, sockets and integrated circuits on printed circuit boards, panels, and other units. Crimps, cuts, screws, solders or press fits to mount parts in place or de-solders to remove parts. Routes and attaches wires and connectors to form circuitry and connects assembly to power supply sources. Completes assembly process by attaching hardware and sealing unit.
- Performs pass/fail testing and inspection to ensure functional performance of parts and assemblies meet production specifications and standards. Connects unit to test equipment such as frequency meter, spectrum analyzer or TDT software program. Analyzes test results on defective units to determine cause of failure. Replaces or repairs defective components, subassemblies and wiring as needed. Enters information on production records, logs, and other report forms.
- Notifies the Production Manager if specific tools are needed to complete a task and should inventory levels fall to insufficient levels.



- Follows a production schedule and budgets time to meet production deadlines. Communicates with the Production Manager if unable to meet deadlines.
- Operates a variety of machines such as drill press, grinder, solder pot, and air compressor. Follows company approved safety practices and policies. Reports any hazards or safety issues to management.
- Responsible for maintaining work area and production department clean and well organized.

### **Qualifications**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

### **Education and/or Experience**

Associate's degree (A. A.) or equivalent from two-year college or technical school; or six months to one year related experience and/or training; or equivalent combination of education and experience. Must also have assembly or production background.

### **Certificates, Licenses, Registrations**

Valid driver's license.

### **Work Environment**

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. TDT is a nonsmoking environment.

To apply, please email a cover letter and a copy of your resume or to [hr@tdt.com](mailto:hr@tdt.com) and include the "Electronics Assembler III" job title in your cover letter.