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Assembly and Testing Technician– Hayward, California

Date: August 22, 2023
Location: Hayward, CA, US
Company: HSQ Technology
Salary Range: DOE (Hourly) \$25-\$40
Position: Full Time / Part Time (1)
Start Time; Hours: 7am-3:30pm M-F
Contact: Gus Jimenez (V.P of Operations)

The job of an Assembly Technician is to carry out of the objectives of the V.P. of Operations including but not limited to: PCB Board Assembly, Soldering, PCB Board testing, repairs and troubleshooting. Includes troubleshooting and repair of circuit boards down to component level, as well as testing of newly manufactured circuit boards.

This effort requires extensive knowledge of circuit design and logic, and the ability to read and understand electronic schematic drawings. In addition should be able to test and troubleshoot manufacturer control panels with power distribution (AC/DC circuits) analog signals (4-20Ma, 0-5vdc) as well as work with Programmable Logic Controllers (PLC)

The successful applicant must be familiar with the use of DVMs and oscilloscopes, as well as the use of computers and computerized test programs. Ability to solder boards and cables is required.

Experience with Control Panel assembly, panel layouts, responsible for assembling a whole product or individual parts of a manufactured item.

The qualified applicant shall be able to take instruction for training on HSQ Product and assemblies.

Essential Duties and Responsibilities:

- Ability to Solder IC components on PCB Boards on component level.
- Test PCB Boards assembly products on component level.
- Produce panel enclosures and Remote Terminal Units (RTUs) from assembly and schematic electrical drawings and Bills of Materials.
- Mount electrical components such as Terminal Blocks, breakers, relays, resistors, transistors capacitors integrated circuits relays and sockets on PCB Board or chassis panel
- Maintain equipment stocking levels for adding to and relieving from established inventory stock system.
- Handle various raw materials involved in the manufacturing processes.
- Point to point testing.
- Labeling of components and wiring.
- Wiring and cabling of RTUs and panel enclosures and field wire pulling.
- Prepare products for shipping.

Qualifications:

- Experience in PCB Board soldering
- Control panel layouts, assembly and wiring
- The employee must be familiar with reading drawings and blueprints. Also, have knowledge of using all parts, equipment, tools, and different techniques for assembly and packaging and shipping.
- Reasoning ability — Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form. Ability to deal with problems involving several concrete variables in standardized situations.

Supervisory Responsibilities:

- No direct supervisory responsibilities, but may be asked to occasionally “oversee”

Equipment to be Used:

- Computer
- Various hand tools
- Soldering iron
- Voltmeter
- Label makers
- Digital Multimeters (Fluke)
- Oscilloscope
- RF Analyzer (Anritsu)
- Cable tester
- Optical power meter
- Optical time domain reflecto-meter
- Standard hand and power tools

The employee must have good troubleshooting and technical skills and excellent knowledge of the hardware, PCB equipment and IC components.

Education and Experience

- Education and experience — High school diploma or general education degree (GED); or one to three months related experience and/or training; or equivalent combination of education and experience.
- Language skills — Ability to interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals.
- Mathematics — Ability to add, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals. Ability to compute rate, ratio, and percent.
- Computer skills
 - Excel and Word
 - Internet and database
- Language skills – ability to interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write detailed routine reports and correspondence. Ability to speak effectively before groups.
- Mathematics – ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations. Ability to work with mathematical concepts such as probability and statistics and fundamentals of plane and solid geometry and trigonometry.
- Reasoning ability – ability to solve practical problems and deal with a variety of variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, and diagram or schedule form.

Travel, Demands, and Environment

- Travel up to 10% for the purpose of inspecting, commissioning, troubleshooting, and upgrading field equipment.
- Physical demands – includes, but is not limited to frequently listening, talking, sitting, standing, walking, climbing and balancing, stooping, kneeling, crouching, and crawling. Ability to lifting up to 50lbs. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.
- Work environment – work in office and some field environments including wet or humid conditions, work near moving mechanical parts, work in outdoor weather conditions, and work in areas with risk of electrical shock.
- Overtime and Weekend Work may be required.

This job description is not intended to represent a complete, comprehensive list of all duties and responsibilities that may be required in this position. There may be unplanned activities and other duties as assigned.

Submit resumes for consideration to: jimenez@hsq.com