

TESTER-MANUFACTURING

Position Overview

Test, troubleshoot, and repair electronic assembly units.

Essential Job Functions

- Reads test schedule, work orders, test manuals, performance specifications, wiring diagrams, and schematics to determine testing procedure and equipment to be used
- Tests functional performance of systems, subassemblies, and parts under specified environmental conditions such as temperature change, vibration, pressure, and humidity
- Calibrates test instruments according to specifications
- Connects unit to be tested to test equipment such as signal generator, frequency meter, or spectrum analyzer
- Reads dials or digital displays that indicate electronic characteristics such as voltage, frequency, distortion, inductance, and capacitance
- Sets up standard test apparatus or devises test equipment and circuitry to conduct functional, operational, environmental, and life test to evaluate performance and reliability of prototype or production model
- Compares results with specifications and records test data or plots test results on graph
- Analyzes test results on defective units to determine cause of failure
- Replaces defective wiring and components or records defects on tag attached to unit and returns unit to production department for repair
- Confers with engineers, technicians, production personnel, and others regarding testing procedures and results and to resolve problems

Requirements

One to three years related electronics test experience

- Read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence and communicate effectively
- Solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, or oral, diagram, or schedule form
- Good Computer Skills