



MANUFACTURING TECHNICIAN

Job Description

GENERAL

Debug and troubleshoot electronic assemblies. Responsible for initial trouble-shooting and analysis of problems encountered during product assembly and of products returned from the field due to defects. Help develop manufacturing test procedures and build test equipment in support of customer requirements. Program automated equipment, including robotic work centers. Perform routine maintenance of manufacturing support equipment. Interface with Production Supervisors, Manufacturing Engineer, and Assemblers to support challenges that come up in the normal production of electronics. Perform other duties as assigned. This position reports to the Manufacturing Manager.

COMPETENCIES

Education/Experience:

Manufacturing Technician I - A.S. in Electronics-related field with 1+ years experience as a test technician in an electronics manufacturing environment; *or* a high school diploma (or equivalent) and a minimum of three (3) years experience as a test technician in an electronics manufacturing environment.

Manufacturing Technician II - A.S. in Electronics-related field with 3+ years experience as a test technician in an electronics manufacturing environment; *or* a high school diploma (or equivalent) and a minimum of five (5) years experience as a test technician in an electronics manufacturing environment.

Manufacturing Technician III – A.S. in Electronics-related field and a minimum of 5 (five) years experience as a test technician in an electronics manufacturing environment. Familiarity with AutoCAD a plus. Strong test debug background preferred.

Skills: Good oral and written English communication skills. Must be computer literate – familiar with MS Office Suite. Must be familiar with oscilloscopes, function generators, multi-meters, and soldering irons. Excellent trouble-shooting capabilities. Excellent organizational abilities required to handle multiple tasks in support of a high mix, low volume manufacturing environment.

Attitude: Friendly, outgoing demeanor. Willingness to apply knowledge to new situations, self-directed, proactive, pride in work, ownership of commitments, communicates with supervisor and other staff with “no surprises” and “can-do” attitude. Must excel at working in a team environment and maintain a professional attitude at all times.

ESSENTIAL JOB FUNCTIONS

- Troubleshoot discrepant manufacturing hardware
- Develop test procedures and build test equipment for manufacturing in support of customer requirements
- Program automated equipment such as robotic work centers
- Perform maintenance and repair activities for Field Repair Returns
- Perform routine maintenance of manufacturing support equipment



Physical

Sitting and standing for long periods of time
Seeing, handling and working on small parts and components
Lifting and carrying 20 – 40 pounds

Mental

Analyzing and Problem-solving
Communicating, both written and orally, in English
Communicating technical information, both written and orally, in English
In-depth knowledge of electronic products, assembly, manufacturing, and testing

Equipment Use

Computer – frequently
Small hand tools – frequently
Robotics – occasionally
Electronics testing equipment - frequently

Working Conditions

Outdoor/Indoor - Indoors most of the time, but required to walk between buildings to visit the Engineering and Administration buildings several times a day.
Exhaust/Fumes – occasionally (working with adhesives, sealants, and cured materials)



DESCRIPTION

| ACCOUNTABILITIES | EXPECTED RESULTS |
|---|--|
| <p>Direct and Organize Work</p> <ol style="list-style-type: none"> 1. Debug and repair electronic assemblies 2. Support product qualification & final ATP testing. 3. Support Technical staff | <ol style="list-style-type: none"> 1. Reduced product rejects. 2. Improve work instructions and visual aids. 3. Timely responses to problem resolutions. 4. Quality orientation and attention to detail. 5. Ability to organize and manage multiple priorities. |
| <p>Motivate & Communicate</p> <ol style="list-style-type: none"> 1. Clear communication with engineering and operations staff. 2. Keep supervisor informed of issues. 3. Professional communication at all times. 4. Foster trust and dependability. | <ol style="list-style-type: none"> 1. Give status updates on tasks and assignments. 2. Quality system awareness. 3. Effectiveness of work performed. 4. Committed to a “count on me” attitude. |
| <p>Measure Work</p> <ol style="list-style-type: none"> 1. Project completion. 2. Amount of training sessions presented 3. Amount of problems resolved in Mfg | <ol style="list-style-type: none"> 1. Tasks completed on time. 2. Initiation of training sessions. 3. Number of problems resolved in Mfg. 4. Attention to product and personnel safety. |
| <p>Development</p> <ol style="list-style-type: none"> 1. Become familiar with the organization and functions of the company. 2. Become familiar with company products. 3. Identify and pursue opportunities to improve Icon operations. | <ol style="list-style-type: none"> 1. Be proactive and ask questions. 2. Quickly learn the operation and functionality of the MILES systems and products. 3. Quickly learn and understand the manufacturing approach and philosophy. |