

Dow-Key Microwave Corporation

Job Description for

Manufacturing Engineer III

Summary:

The Manufacturing Engineer III position will report to the manufacturing manager and interface with quality and engineering directly. This position will use technical knowledge and experience to analyze quality, delivery, and productivity data of various electro-mechanical products to determine required actions to improve reliability, lead time, and total cost via tooling design, technical writing, and semi-automated testing. This position will also be called upon to address manufacturability issues with current designs, troubleshoot product failures, evaluate vendor processes, and/or function as a leader for special projects including new work cell design, new product production launch, and design verification testing. An experienced leader in this role may also be given a supervisory role over manufacturing personnel.

Typical Responsibilities:

- Apply lean manufacturing techniques to existing manual assembly lines to improve quality and productivity
- Define, develop and maintain standard work documentation for new and existing product
- Work with design engineers to transition new product/improvements into assemblies which can effectively be built with minimum variation by assembly personnel
- Work with assembly, test and engineering personnel to ensure that the documentation accurately reflects the “as built” condition
- Help train assembly personnel in proper use of tools, equipment and assembly techniques
- Identify, formulate and implement opportunities throughout the assembly process which will reduce cost, variation, cycle time and improve reliability
- Effectively develop and document sustainable process solutions to support corrective and preventive action requests
- Work with quality assurance staff to support DPPM improvement and PFMEA analyses
- Support Kaizen and 6S implementation

Supervision: Does not supervise anyone.

Knowledge Skills and Abilities:

- Bachelors degree
- 5 -10 years Manufacturing Engineering experience working in similar production environment is required
- Specific experience with common processes to our company including machining, plating, welding, electro-mechanical assembly, and/or automated testing is preferred
- Ability to work with engineering, procurement and Quality Staff to optimize manufacturability for new and existing products
- Requires excellent written, oral and electronic communication skills
- Should have excellent organization and planning skills
- Identify capital equipment purchases and justify by using ROI analysis
- Participate in MRB disposition activities to determine best action
- Experience with AS9100 or ISO quality management systems preferred

Physical Requirements:

- Able to read documents and computer screens
- Able to move around an office building and up stairs
- Able to sit/stand for long periods of time
- Able to type on a computer keyboard
- Able to communicate through a telephone
- Able to communicate with co-workers