



## **Job Title**

*Manufacturing Test Engineer*

## **Position Overview**

The Test Engineer provides professional expertise within a formal engineering process to support product development/manufacturing deliveries and key stakeholders. During the verification and validation process, the test engineer coordinates and performs engineering tasks of varying complexity through interpretation of engineering principles, theories and concepts and clearly communicates/formally documents results and conclusions with all stakeholders.

## **Responsibilities**

- Product support through the planning, developing, scheduling and execution of project verification and validation engineering activities of varying scale and complexity.
- Prepares and communicates testing cost estimations for assigned testing.
- Make decisions on types of testing, specifies test procedures, instrumentation and hardware used in the testing of designs.
- Responsible for performing data analysis to support testing conclusions, which are to be documented through engineering reports.
- Perform system functionality verification testing supporting.
- Ensure the testability and manufacturability of PCBA's from the component feasibility stage through production ramp.
- Make significant contributions to design, development, and validation of testability circuits.
- Maintain the test equipment and fixtures, including equipment calibration.

## **Knowledge, Skills, and Abilities**

- Excellent teamwork skills and motivation to help others.
- Evaluate, develop and debug of complex test methods.
- Develop and debug complex software programs.
- Create and test validation and production test hardware solutions.
- Test, validate, modify, and redesign circuits to guarantee component margin to specification.
- Analyze and evaluate component specification versus performance to ensure optimal match of component requirements with production equipment capability with specific emphasis on yield analysis.
- Analyze early customer returns with emphasis on driving test hole closure activities.



- Create and apply concepts for optimizing component production relative to both quality and cost constraints.
- Autonomously plans and schedules own daily tasks, develop solutions to problems.
- Solve problems with sound logical thinking and logical analysis.
- Comprehends Mechanical & Electrical drawings for Equipment.
- Inherent vision for production improvements.
- Ability to manage and prioritize multiple tasks to completion.
- Knowledge of ISO13485 and its application in the manufacturing environment is preferred.
- Ability to analyze data to understand trends and root cause.

## Qualifications

- BS in electrical engineering
- 5 years of engineering related experience
- At least 5 years of experience within medical device or related electronics manufacturing operation
- Excellent project management skills with demonstrated ability to identify manufacturing test improvements, manage change, and implement solutions.
- Working knowledge of applied statistics (SPC/DOE) and structured problem-solving methods such as 8D, 5 whys, and DMAIC.
- Ability to develop and write Test Instructions and Standard Operating Procedures that are compliant to medical device industry standards is required.
- Proficient knowledge of data acquisition equipment and data processing techniques
- Patient, detailed, and communicative when it comes to the precise nature of their work

If interested, please email resume to [ksnyder@valtronic.com](mailto:ksnyder@valtronic.com) or call Kathleen Snyder at 440-349-1239 x 143.