Burton Industries - Job Description

Job Title: Test Engineer  
Department: Test Engineering  
Reports To: Test Engineering Manager

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Prepared Date: 

Approved By: 
Approved Date:

SUMMARY
Support Production Test Department by creating Test Procedures, Test Equipment, Preventive Maintenance Schedules and troubleshooting of Production Test Equipment and Production PCBs. Supports NPI with Customer Product Design-For-Test Reviews, and Test Strategy Proposals.

JOB DESCRIPTION
The Test Engineer determines how to create a process that will test a particular product in manufacturing and assure that the product meets applicable specifications. Test Engineer is responsible for determining the best method of achieving the highest test coverage using different test processes. Test Engineer must have board level understanding of In-Circuit Test (ICT), Flying Probe Test (FPT), Boundary Scan Test (BST), Automated Optical Inspection (AOI), Automated X-Ray Inspection (AXI), and Design-for-Test (DFT) strategies to ensure test capability. Test Engineer must have an understanding of Functional Test manual and automated test strategies. The Test Engineer must have an understanding of Reliability Run-in, Burn-in, and Environmental Stress Screen (ESS) test techniques and strategies.

JOB RESPONSIBILITIES
The Test Engineer is accountable for:
• Experience and proficiency with electronics diagnostic equipment
• Strong knowledge of digital, analog, A/D-D/A circuitry required
• Working knowledge of RF components
• Strong problem solving skills
• Analyzes and interprets test data
• Identifies areas for improving processes, procedures, and documentation
• Generate failure analysis and problem reporting
• Identifies and recommends changes to simplify assembly and its maintenance.
• Ensure compliance with policy and procedures
• Responsible for ensuring the quality and proficiency of all electronic assemblies
• Excellent interpersonal and communication skills (verbal and written)
• Excellent professional skills, demeanor, and work ethic
• Excellent customer service skills
• Excellent organizational skills
• Ability to work well under stress and to meet deadlines
• Ability to multitask and prioritize
• Ability to work without supervision
• Ability to work within and understand the dynamics of a team environment

JOB REQUIREMENTS
• Must be able to lift 50 pounds.
• Overtime as needed to meet deadlines

EDUCATIONAL REQUIREMENTS
• BS degree or equivalent combined education and experience