



Manufacturing Engineer (Electrical)

Job Summary: Improve the manufacturability and quality in production including both product design and manufacturing issues. Assist in the manufacturing support for all electronics based assemblies. Provide quick response to technical issues on the manufacturing floor and occasionally in the field. Facilitate the introduction of new product designs from R&D into manufacturing.

Responsibilities: Provide technical expertise to manufacturing and other departments. Initiate, implement, and upgrade assembly and test procedures and test protocols for electro-mechanical instruments. Investigate Engineering Investigation Requests and implement Engineering Change Orders. Perform root cause analysis and assist with the repair of systems and components returned from the field. Troubleshoot electro-mechanical assemblies and recommend design improvements. Coordinate test script, firmware, and software upgrades with Software personnel. Troubleshoot circuit board assemblies and implement design improvements. Make changes as necessary due to component obsolescence. Utilize electronics CAD software to create new designs and upgrade existing products. Train manufacturing personnel on manufacturing procedures and assembly methods. Travel to customer sites for analysis of unique product failures. Perform other work related duties as assigned.

Qualifications: Minimum Bachelor's degree in Electrical Engineering or related field. A minimum of three years' experience with schematic design and PCB layout is required. Five years' experience in a Manufacturing or development environment. Experience spanning electrical, mechanical, and software engineering disciplines. Ability to troubleshoot complex electronic faults to component level. Ability to read and understand mechanical drawings. Experience with Windows based software applications.

Desired Qualifications: Experience with Lean Manufacturing and Six Sigma concepts. Experience with MRP and/or ERP systems. Experience with complex robotic systems.

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