

JOB DESCRIPTION

POSITION	QUALITY ENGINEER	BASE PAY	
EMPLOYEE TYPE	SALARY	LEAD OTHERS	YES
REQUIRED EDUCATION	BACHELOR'S DEGREE	REQUIRED EXPERIENCE	2-5 YEARS
PREFERRED EDUCATION			
TRAVEL REQUIRED	AS NEEDED	POSITION CLOSE DATE	

OBJECTIVE:

As part of the Quality team, the Quality Engineer (QE) will have broad responsibilities, working cross-functionally with Engineering, Sales, Purchasing and Manufacturing teams to monitor and drive continuous improvement activities throughout the organization. The QE will communicate frequently with senior management, suppliers, and customers, acting as a quality liaison between internal and external entities and providing technical input and guidance on process enhancements and improvements. The QE will play a supporting role in implementing and maintaining Mirac's quality management system (QMS) based on ISO and other industry standards.

JOB DESCRIPTION:

- Assists with corrective/preventive action processes (CARs, SCARs, RMAs, 8Ds, etc.) for suppliers, customers and internal processes. Provides and analyzes root-cause analysis associated with product/process issues.
- Works closely with Engineering and Receiving Inspection teams to define and support requirements and activities for receiving inspection, measurement and testing of in-process and incoming raw material & assemblies.
- Evaluates and analyzes production processes to continually improve product quality, efficiency and cost effectiveness.
- Identifies, implements, and monitors appropriate metrics to measure quality of incoming and outgoing products, as well as internal manufacturing processes.
- Implements statistical process control and appropriate quality measures.
- Assists Purchasing department with supplier qualification and ongoing evaluation processes.
- Coordinates APQP processes with suppliers and/or customers (FAIR, PAW, SPC, PPAP, etc.)
- Works closely with human resources to define and support employee training requirements and activities related to the QMS.
- Supports maintaining 3rd-party certification to ISO standards.
- Conducts internal audits to ensure compliance with industry standards (ISO 13485/9001, ANSI S20.20 / IPC / etc.) and Government Regulations (ITAR / EAR / etc.) where appropriate.
- Trains inspectors and other designated staff members on IPC Acceptability Standards
- All other duties as assigned.

Education/Experience:

- Bachelor's degree in engineering or technical field or equivalent training & experience.
- Two to Five years quality experience preferred in an electronics manufacturing environment.
- Must have working knowledge of ISO-9001 or higher standards, and knowledge of APQP processes are strongly desired.
- Demonstrable ability to work in MS Word/Excel to create and record inspection logs/reports and other quality documents.
- Experience and knowledge of statistical inspection process and requirements.

REQUIREMENTS:

- Certified Expert / Trainer on IPC A-610/620 Standards for Acceptability of Electronic and Wire Harness Assemblies.
- Strong organizational skills and the ability to work in a dynamic environment.
- Excellent written and verbal communication skills.
- Ability to effectively communicate with suppliers, customers, and cross-functionally across the organization.
- Ability to quickly gain thorough knowledge and understanding of additional industry standards and government regulations as applicable.
- Knowledge and experience with APQP processes (FMEA, Control Plan, MSA, SPC, PPAP, etc.).
- Visits suppliers and customers as necessary.
- Experience with source inspection and surveillance/audit activities at supplier's facility.
- Ability to identify and document supplier's quality deficiencies and ensure effective corrective/preventive action.
- Capable of performing root cause analysis and identifying solutions to complex problems.