



## **Position: Quality Engineer**

The Quality Engineer (QE) is responsible for the day to day operation of quality activities in the shop floor advocating as the "voice of the customer" demanding the highest quality expectations from the organization. QE executes quality programs designed to ensure that the processing of all products are consistent with customer purchase orders and that the systems in use are current and in strict accordance with customer and regulatory agency standards.

This is a hands-on position. QE works monitoring, and inspecting products and processes, often running tests and duplicating real-world conditions to make certain they meet specified standards. QE ensures the quality of the parts, purchased and produced, meet all customer expectations; using tools such as micrometers, calipers, gauges, volt meters, ammeters and ohmmeters, as well as electronic inspection equipment to aid complete these tasks. In addition, QE typically works with the production team to implement any new testing criteria or assembly methods.

QE quickly and effectively takes action when non-conformances are found. Maintains the most recent interpretations of the quality system requirements and therefore ensures that documented practices meet the true interpretation of the quality management system standards.

QE executes the duties of the position in such way that the focus is largely proactive versus reactive.

### **Key Responsibilities:**

- Work with various departments to identify best practices, implement processes and monitor to ensure highest quality / best value recommendations for improvement.
- Identify technical problems with suppliers and implement corrective actions.
- Facilitate and promote use of appropriate problem solving techniques for effective root cause analysis and successful corrective action
- Support Purchasing / Engineering in supplier development and qualification.
- SOP's creation, control and adherence.
- Incoming quality control for the technical components supply chain.
- Outgoing quality control for all components, sub-assemblies and finished goods.
- Lead the development of Failure Mode and Effects Analysis (FMEA).
- In cooperation with Production & Engineering:
  - Develop, evaluate, and improve manufacturing methods.
  - Estimate production times, staffing requirements, and related costs to provide information for management decisions.
  - Oversee manufacture of products and process optimization.
  - Formulate, document and maintain quality control standards and on-going quality control objectives.
  - Create, document and implement inspection criteria and work instruction procedures.
  - Foster quality control philosophy to key personnel within the company.

- Participate in pre-launch production trial run process.
- Maintain a positive relationship and demeanor with employees, departments and customers.
- Complete assignments other than those listed above as requested.

**Preferred Qualifications:**

- B.S. degree minimum Industrial or Mechanical Engineering or related technical background
- A minimum of 3 years of related experience
- Manufacturing experience in a production environment. Remanufacturing background a plus.
- Good understanding of electro-mechanical devices, products & related design / quality / engineering history.
- Comfortable with balancing a level of desk work / production floor work.

**Skills, Knowledge, and Attitude for the Job:**

- Problem solving abilities used to find innovative solutions to quality related issues.
- Experience in working on and directly with a manufacturing floor a plus.
- Kaizen, Six Sigma, Green Belt, 5S skills a plus.
- Background and/or knowledge with SolidWorks or similar 3D package.
- Strong communication skills to make progress reports and present their findings to the supervisor in their department.
- Analyzing Information , Reporting Research Results, Technical Understanding, Promoting Process Improvement, Developing Standards, Managing Processes, Manufacturing Methods and Procedures, Supports Innovation, CAD, Quality Engineering, Operations Research
- Exceptional mechanical aptitude (i.e. intuitive understanding of mechanical processes)
- Initiative – proactive and takes action without being prompted.
- Organization & Planning – manage time wisely and effectively prioritize multiple competing tasks.
- Problem Solving & Decision Making – identifies and solves problems, develops innovative solutions, acts decisively, and shows good judgment.
- Results Orientation – maintains appropriate focus on short- and long-term goals. Motivated by achievement, and persists until goals are reached, conveying a sense of urgency.
- Team Player – respond to requests from other parts of the organization, and support larger legitimate organizational agendas.