

JOB DESCRIPTION

Title: Manufacturing/Quality Engineer
Reports to: VP Operations
Job Type: Salaried, Full Time
Relocation: No

Job Summary:

We are looking for a highly motivated, intellectually curious and passionate Manufacturing/Quality Engineer who will build and own the manufacturing supply base for both New Product Introductions (NPI) as well as support, improvements, modifications and further deployment for sustaining production.

Job Description:

Manufacturing/Quality Engineer provides overall management of contract manufacturing sites engaged in the production of GRC's products. As the primary liaison with supply partners, the Manufacturing/Quality Engineer leads and ensures production and quality requirements are communicated and understood, resolves quality-related concerns related to the supply chain, conducts supplier assessment and oversight activities, and supports verification/validation activities.

Provides analysis and recommendations needed to allow manufacturing to produce the engineering product designs. Provides effective communication and services in solving production problems or pursuing operations improvements.

Responsibilities and Duties

- Provide product and process DFM (Design for Manufacturing) input to Engineering to enhance manufacturability and product cost.
- Co-work with supply base to create an efficient manufacturing assembly line, specifying and/or refining BOMs, workflow processes, and detailed NPI work instructions.
- Provide technical support analyzing and/or performing failure analysis for discrepant production components, assemblies and field returns.
- Manage outside vendors and contract manufacturers.
- Lead/participate in continuous improvement initiatives focused on material cost reduction, capacity enhancement, and streamlining of the supply chain.
- Able to gain the commitment of both internal departments and supplier organization to remedy non-conforming practices while maintaining positive and productive working relationships
- Has developed a strong understanding of the measurement tools used in manufacturing and can apply that knowledge to perfecting in-place methodologies
- Read, understand, and verify bills of material (BOMs), assembly drawings, engineering tolerances, and other technical information
- Create and/or review ECO's
- Defines First Article acceptance criteria and ongoing Receiving Inspection criteria with assistance from the Engineering team

- Oversees documentation of non-conforming material, supplier corrective actions, and works with suppliers to define root cause and verify effectiveness of actions taken
- Ensures suppliers implement critical destructive & non-destructive quality assurance testing practices (weld evaluation, coating adhesion, torque verification, etc.) where applicable
- Performs onsite supplier evaluations and reviews supplier's processes against GRC's supplier quality standards
- Makes recommendations to management regarding supplier selection
- Assists the Engineering team in implementing change orders
- Develop and report leading metrics of supplier performance to cross-functional management
- Develop and lead supplier process improvements that minimize production costs and defects
- Perform supplier qualification and assessment activities
- Implement and monitor process capability for continuous improvement
- Understand schedules and capacity to ensure suppliers are prepared to meet production demand
- Apply Industrial Engineering concepts and tools to drive safety, accuracy, and productivity within the supply chain and company

Qualifications and Skills

- Bachelor's degree or higher in a related Engineering discipline (preferred Manufacturing, Mechanical or Industrial Engineering degree) from an accredited university.
- 5+ years of manufacturing engineering /quality engineer experience including metals manufacturing, SMT PCBA assembly, electronic sub-assembly processes, capacity planning, supplier qualification, supplier management, supplier relationships, basics of Cost Accounting, and QBRs
- Experience in an outsourced OEM environment; experience with contract or virtual manufacturing; Prior experience managing supplier production and quality from remote locations strongly preferred
- Work experience in a manufacturing environment
- Strong leadership, conflict resolution, and negotiation skills required
- ASQ Certified Quality Engineer (CQE), Certified Reliability Engineer (CRE) are a plus
- Six Sigma Certified (Green or Black Belt) a plus
- Knowledge of quality practices and procedures, including use of metrics and statistical analyses
- Knowledge of ERP processes and systems; experience with web-based ERP systems
- Able to build strong relationships with various stakeholders.
- Thorough knowledge of manufacturing and machining processes and concepts
- Knowledge and understanding of Lean Six Sigma concepts and methodologies
- Ability to evaluate data, resulting in corrective and preventive actions
- Effective communicator, problem solver, and self-starter; works well in a team environment
- Must be results oriented with a strong desire to succeed
- Ability to maintain positive company image and brand.
- Ability to perform work accurately and thoroughly.
- Well-developed written and verbal communication, listening and presentation skills.
- Must have excellent organizational skills & attention to detail
- Ability to prioritize tasks and meet deadlines.
- A courteous and professional demeanor.

- Ability to work well under pressure
- Intermediate to advanced computer skills. Proficient with MS Office suite, Google suite, and other work-related software
- Ability to travel as needed (domestic) to meet business requirements; Position may require up to 50% travel locally and domestically; the ability to operate independently while traveling frequently is required