



I. **Position: *Manufacturing Quality Engineer***

(Focus: Quality, Strategic, Systems, Structure, Training)

II. Department: Quality

III. Report To: Quality Manager

IV. Roles & Responsibilities:

Summary of Duties: The Manufacturing Quality Engineer is responsible for performing quality functions, providing manufacturing quality support for existing products, and contributing to the quality development and introduction of new products and equipment.

Manufacturing Quality Engineer Job Responsibilities:

Quality:

- Under the guidance of the quality manager, functions and tasks to include:
 - Perform day to day quality tasks/operations for the manufacturing area regarding quality as well as assisting with lean initiatives on the Machine shop floor.
 - Provide QMS documentation of processes and procedures for manufacturing
 - Design and at times build CMM fixturing, gauges, or other related quality tooling.
 - Create programs for CMMs – PCDMIS and Polyworks.
 - Be the CMM Subject Matter Expert
 - Create and maintain process and procedures for CMMs, and other measuring equipment
 - Implement and oversee process controls for respective products.
 - Assist, mentor and train manufacturing with trouble shooting, process improvements and new operator training of quality aspects such as measurement.
 - Assists with and drive Corrective Actions, Root Cause, and Preventative actions.
 - Mentor Quality inspectors, and specialist in all aspects of quality to progress their skill sets and be successful.
 - Key driver for successful Lean 5S Implementation
 - Maintains product and company reputation by complying with company regulations and standards
 - Back up to Quality Manager as required
 - Other duties as assigned

V. General Requirements:

- Education: College degree in related field, or equivalent direct work experience
- Minimum of 2 years' experience in Solid Works or related CAD software
- Must have very strong problem-solving skills and detail oriented.
- Must have strong understanding of Quality and GD&T.
- Must possess strong mechanical skills
- Must have prior experience in, or be able to and learn how to operate machinery (CNC and manual)
- Must possess good computer skills including Microsoft Office Products (Word, Excel, Outlook, etc).
- Must follow all safety policies and guidelines.
- Ability to verify parts are quality parts, per Quality System.

- Ability to communicate with all personnel, including upper management regarding complex data sets
- Ability to read, interpret, and revise drawings, as necessary.
- Strong knowledge of inspection tools, measurement devices, and calibration systems.
- Strong knowledge of material standards and quality standards such as ISO and IATF.
- Statistical knowledge with advanced Excel skills.
- CMM programming and solid skills in training others on CMM.
- PCDMIS and/or Polyworks software skills preferred
- Mechanical capabilities to create fixturing
- ASQ certified quality inspector certification preferred
- Operating knowledge of ERP system and products.
- Must proficiently speak, read, and write English.
- Must possess good written and oral communication skills, to include training of machine operators and machinist as assigned.
- Must have valid driver's license and DMV report allowing for add to company driver policy.
- We are a drug-free workplace, conditional offer based on successfully passing drug and background check.
- Lean Six Sigma or Greenbelt preferred

VI. Physical Requirements:

While performing the duties of this job, the employee is regularly required to; stoop, kneel and crouch, lift, bend and twist, use hands and fingers to manipulate small components, reach with hands and arms, read and write, talk and hear and use a computer. The employee must frequently lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision color vision, and ability to adjust focus.

I am able to perform the essential duties of this position with or without a reasonable accommodation.

If an accommodation is needed please indicate here: