

Job Title: CMM Operator / QA/QC Technician (Machine Shop) Department: Quality Assurance / Quality Control

Reports To: Quality Manager

Location: Diamondhead, MS

Employment Type: Full-Time Job Summary We are seeking a skilled and detail-oriented CMM QA/QC Technician to join our precision machine shop. In this role, you will be responsible for performing accurate dimensional inspections using Coordinate Measuring Machines (CMM) and other precision metrology equipment to ensure all machined parts meet strict customer specifications and quality standards. You will play a critical role in maintaining our reputation for delivering high-tolerance components to industries such as aerospace, automotive, defense, and medical.

Key Responsibilities

- Program, set up, and operate CMM equipment (Zeiss, Mitutoyo, Hexagon, etc.) for first-article, in-process, and final inspections.
- Interpret complex engineering drawings, blueprints, and GD&T (Geometric Dimensioning and Tolerancing) callouts.
- Perform manual inspections using calipers, micrometers, height gauges, optical comparators, and surface plates when required.
- Create and maintain CMM inspection programs for new and repeat parts.
- Document inspection results, generate detailed reports, and communicate non-conformances to production and engineering teams.
- Assist in root cause analysis and corrective action processes for quality issues.
- Calibrate and maintain CMM and other QC equipment per established schedules.
- Support continuous improvement initiatives and lean manufacturing practices.
- Ensure compliance with internal QMS, ISO 9001, AS9100, or ITAR requirements as applicable.
- Train junior inspectors or machine operators on basic metrology practices.

Required Qualifications & Skills

- Minimum 2–5 years of hands-on CMM programming and operation experience in a machine shop environment.
- Strong proficiency in PC-DMIS, Calypso, MCOSMOS, or equivalent CMM software.

- Solid understanding of GD&T per ASME Y14.5.
- Experience working with tight-tolerance precision machined parts (CNC mills, lathes, Swiss, etc.).
- Ability to read and interpret complex blueprints and technical specifications.
- Familiarity with quality management systems (ISO 9001, AS9100 preferred).
- Basic knowledge of statistical process control (SPC) and data analysis.
- High school diploma or GED required; Associate's degree in Manufacturing Technology, Quality, or related field preferred.
- Must be able to lift up to 50 lbs and stand for extended periods.

Preferred Qualifications

- CMM certification (e.g., Zeiss, Mitutoyo, or ASQ Certified Quality Inspector).
- Experience in aerospace, defense, or medical device manufacturing.
- Knowledge of Polyworks, FARO Arm, or other portable metrology equipment.
- ERP/MRP system experience (Epicor, JobBoss, etc.).

What We Offer

- Competitive hourly pay based on experience (\$28–\$42/hr)
- Health, dental, and vision insurance
- 401(k) with company match
- Paid time off and holidays
- Overtime opportunities
- Clean, climate-controlled work environment
- Opportunities for training and career advancement

If you are a quality-driven professional who takes pride in precision and enjoys working in a fast-paced machine shop environment, we want to hear from you!