



Quality Control Metrology Specialist

EMPLOYMENT AGREEMENT: Non-Exempt

ADVISOR: Quality Control Manager

PRIMARY CHARACTERISTICS:

- **Principles:** Supports and models the company's principles that are identified in the Declaration of Belief and Direction Statement, in all areas of conduct and business.
- **Continuous Improvement:** Develop continuous improvement plans for Quality to provide improvements in capabilities, processes, systems, satisfaction, quality, cost, delivery, and safety using Lean and Six Sigma tools and techniques.
- **Teamwork:** Create a positive, energizing, and rewarding environment for all Coworkers. Work closely with other Reell facilities, functional leaders and coworkers to achieve broader corporate goals. Contribute ideas, vision, energy, and passion.
- **Leadership:** Lead by example and service. Mentor and assist in the development of team members in achieving quality objectives. Lead technical continuous improvement activities within the metrology function. Develop others through coaching, mentoring, encouraging and recognizing coworkers.

KEY RESPONSIBILITIES:

- Works with Design and Quality Engineers to ensure control features on new drawings are measurable and contain applicable use of GD&T techniques
- Works with Quality Engineers to develop/maintain internal and supplier quality plans using optimal inspection, measurement and testing equipment (IM&T) methods
- Main programmer and technical expert of Coordinate Measuring Machine (CMM), with PC-DMIS software and multiple vision systems
- Design and procure custom IM&T fixtures
- Perform measurement correlations and gage R&R's to align measurement techniques with internal and external (supplier and customer) customers. Assist in the resolution of non-aligned results
- Creates and maintain IM&T work instructions to ensure consistent application of measurement equipment
- Defines calibration plans including techniques and schedule and service providers
- Create corporate metrology plan (Strategy) that defines current IM&T capabilities and future needs based on control plan requirements
- Identifies new tooling needs and creates justification (ROI) case for the purchase of new equipment
- Train quality and production personnel on the proper use of IM&T
- Assist in the troubleshooting of Incoming and Production nonconformances and update IM&T applications as required
- Perform Customer Production Part Approval Process (PPAP) inspections and capability studies
- Perform planned and ad-hoc evaluations of IM&T applications to identify and improve inspection efficiency
- Assist in developing and monitoring performance metrics
- Manage and Improve the interface and trending of Quality Plan, SPC, CMM and Vision systems data
- Update control plans based on Engineering Change Orders and product results
- Performing Inspection as required
- Other duties as required

SKILLS REQUIREMENTS:

- Analytical Thinking and Problem Solving
- Metrology subject matter expert
- Thorough understanding of optical and CMM techniques
- Ability to work in a matrix organization and contribute to the projects
- Good mechanical aptitude
- Strong communication skills and goal-oriented behavior
- Efficient time/task management skills
- Ability to communicate effectively with engineers in determining and assessing complex measurement and methods in relation to design intent.
- Subject matter expert in engineering drawings and related documentation practices using ANSI Y14.5M Geometric Dimensioning and Tolerancing

EDUCATION AND WORK EXPERIENCE REQUIREMENTS:

- Two-year Technical degree or equivalent experience in similar position with a minimum of 8 years
- Precision measurement experience – minimum of 8 years
- Inspection experience – minimum of 5 years
- First Article experience – minimum of 3 years
- CMM programming experience – 3-5 years
- Optical programming experience – 1-2 years

PREFERRED REQUIREMENTS:

- Four-year technical degree (i.e. STEM (science, technology, engineering, math))
- Work experience in a manufacturing environment
- ASQ certification preferred
- Technical supervisory experience

PHYSICAL REQUIREMENTS:

- Domestic and International travel
- May be required to lift up to 40 pounds and/or sit/stand for long periods of time