



P&F Machining is currently seeking a highly experienced and motivated Metrology Engineer. If you are a professional with a desire to be part of a growing AS9100_ISO9001 manufacturing environment with a 30 year history, want to innovate, make a difference, and are interested in joining our family owned company please forward your resume to careers@pfmachining.com. As a full time position benefits offered include: health, dental, life, short & long term disability insurance along with paid holidays, vacation, and a 401K with a company match.

Job Summary

The Metrology Engineer provides subject matter metrology & GD&T support to Sales, Contract Review, and Product Realization Processes.

Essential Functions:

The primary duties and responsibilities of the Process Engineer consist of but are not limited to:

- Coordinate inspection lab work flow, processes, and personnel
- Facilitate mentoring and training of inspection personnel
- Establish and implement corporate metrology standards and practices to meet P&F, customer, industry, and regulatory requirements
- Provide company-wide subject matter GD&T and training support
- Provide support to Quality, Engineering, and Operations to resolve metrology or design for quality related issues
- Optimize existing automated inspection process to achieve improved quality and productivity goals
- Collaborate with Quality, Process, and Manufacturing Engineering in generation of control plans to identify optimal measurement methodologies
- Identify & implement metrology related software and hardware technologies
- Participate in the New Product Introduction review process to ensure manufacturing & quality process utilized meet P&F and customer expectations
- Provide plant wide automated inspection programming support
- Develop and mentor personnel to support automated inspection processes
- Design and coordinate build of CMM & VCMM fixtures

Qualifications:

- Education
 - High School Diploma (required)
 - Bachelor's degree in an engineering related field (preferred)
- Certification
 - ASQ Certified QE (preferred)

- Background
 - Minimum 10 years of automated metrology experience in a precision machining manufacturing environment
 - Minimum 7 years of experience programming CMM or VCMM systems
 - Minimum of 3 years of experience programming Zeiss Calypso software

Accountabilities

- Facilitate a continuous improvement culture
- Foster a team oriented quality ownership culture
- Ensure compliance to QMS requirements
- Ensure metrology practices meet P&F, customer, industry, and regulatory requirements
- Ensure design requirements impacting verification, validation, and manufacturability are identified at the Sales and Contract Review stages
- Resolve all metrology related constraints in a timely manner

Authorities

- Authorize and approve manufacturing processes
- Stop processes & shipments due to quality concerns if necessary
- Disposition of metrology related non-conformances
- Communicate to Management issues with product and process conformance
- Communicate with customers design for manufacturing and quality related issues
- Establish metrology standards

Competencies

- Subject matter expert understanding of design for manufacturing principals
- Working understanding of machining and related processes
- Advanced understanding of GD&T & 3D metrology principals
- Ability to communicate GD&T & 3D metrology principals to an audience with a wide range of understanding
- Good written and verbal communication skills
- Advanced CMM or VCMM programming skills
- Ability to work independently, multi-task, and prioritize
- Attention to detail
- Advanced understanding of Gage R&R & Process Capability principals
- Strong software skills using Microsoft Office (Outlook, Word, Excel)
- Proficient use of ERP software