Ultra Machining Company is dedicated to making a difference and improving people’s quality of life. We deliver life-enhancing products which include medical devices and implants, transportation and energy technologies. Joining our team means working alongside passionate individuals who are committed to our core values of integrity, innovation and quality. Help us build the future of manufacturing by leveraging your creativity, expertise, ambition, and can-do attitude. We are a strong team growing towards a bright future. Join us if you have the aspirations, skills, and problem-solving savvy to contribute to our success.

Job Summary
The Metrology Engineer is responsible for providing metrology engineering support to the organization by establishing, implementing and providing technical leadership in the area of metrology practices.

Essential Functions
The primary duties and responsibilities of the Metrology Quality Engineer consist of but are not limited to:

- Development and deployment of UMC metrology best practice standards.
- Document UMC metrology related practices and procedures.
- Document and implement UMC calibration methods and practices.
- Identify and lead metrology related continuous improvement initiatives.
- Coordinate and implement of metrology related software & hardware.
- Provide GD&T and metrology review support to quotation process.
- Provide GD&T and metrology support to engineering and operations improvement initiatives.
- Provide companywide metrology and GD&T analytical support.
- Facilitate all automated inspection system repair and preventative maintenance activities.

Qualifications
- BS in Engineering or related science (preferred)
- Experience in an AS9001, ISO13485, or TS 16969 environment
- 7+ years in a precision metrology environment

Accountabilities
- Technical development & leadership support to all inspection support personnel.
• Review and approval of all metrology related practices, policies, and standards.
• Over-site of calibration methods and practices.

Authorities
• Oversee, clarify, and approve all metrology related UMC practices, policies, and standards.

Competencies
• Advanced knowledge in the application of GD&T and ASME Y14.5
• Advanced understanding of automated metrology practices
• Strong understanding of contact CMM metrology practices
• Experience with VCMM and multi-sensor system technologies (preferred)
• Intermediate to advanced understanding of Calypso or PC DMIS measurement software
• Open layout inspection methods and practices
• Ability to communicate complex metrology and technical matters to all levels of organization in both a verbal and written form
• Ability to train and develop others
• Strong problem solving skills
• 5s, Lean, 6 Sigma experience (preferred)
• Strong understanding and ability to use SPC, DOE, ANOVA, regression Analysis, and other advanced statistical methods (preferred)
• Application and use of Microsoft Office products, Minitab (or other statistical software product) & SPC data collection software. (Knowledge of QC Calc a plus.)
• Strong technical writing skills
• Experience with calibration practices and systems

Company Description
UMC is a premier contract manufacturer for medical, aerospace, energy and commercial components and assemblies with AS 9100C (ISO 9001:2008) and ISO 13485:2003 certifications. Founded in 1968, the privately held company employs 160 people and has two facilities located in Monticello, MN and Pine River, MN. UMC is an industry leader helping world-class customers succeed through collaboration and innovation, and is committed to continuous improvement throughout its operations. For more information, visit ultramc.com.

UMC is an Equal Employment Opportunity Employer

Interested candidates may apply online via our website at www.ultramc.com or by submitting a resume to Human Resources at HR@ultramc.com or Fax 763-201-3434.
Ultra Machining Company, Inc. 500 Chelsea Road, Monticello, MN 55362 Phone: 763-271-5200