



## Quality Engineer

<b>Date:</b>	May 5, 2017	<b>Job Family:</b>	Professional
<b>Department:</b>	Engineering	<b>Job Group:</b>	Technical
<b>Reports to:</b>	Manager of Quality Services	<b>OT Status:</b>	Exempt
<b>Location:</b>	Monticello, MN	<b>Relocation Available:</b>	No
<b>Openings:</b>	Day Shift		

---

**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

Quality Engineer will ensure that materials, processes, and products meet or exceed UMC's quality standards while employing the use of continuous improvement methodology.

### Essential Functions

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

- Responsible for the preparation, review and approval of all quality documentation; i.e. First Articles, Control Plans, Process Flow Diagrams, Certifications as required for submission by customer
- Develop, apply and maintain quality requirements through the design and implementation of methods for process control, process improvement, testing and inspection
- Serve as a Quality Assurance representative to the Materials Review Board (MRB)
- Leads the Measurement System Analysis for all gauging methods selected for new or current production components. Analyzes the data using QC Calc software and reports results to the team. Develop and maintain the approved Gage R&R documents
- Analyze failures, Corrective and Preventative actions in response to Customer complaints and customer returns, manages the Return Material Authorization (RMA) activities, and initiates an Internal Corrective Action in the CAPA system
- Perform quality related functions, such as internal and external quality auditing, root cause analysis, and performance testing as needed
- Serve as the primary Quality Assurance resource to department supervisor(s) for problem identification, resolution, loss reporting and continuous improvement
- Support concurrent engineering efforts by participating in design development projects representing Quality Assurance and the customer
- Report to management on quality issues, trends and losses
- Develop, execute and analyze quality-reporting measures
- Support Procurement in reviewing supplier performance and monitoring supplier quality
- May compile, write and deliver training material on quality standards and activities

- Review customers purchase orders, contracts and change requests and ensure that the necessary criteria and provisions are included in quality and process plans
- Interface with supplier and customer quality representatives concerning problems with quality assurance and assure that effective corrective action is implemented
- Supports the effort of the Process FMEA and documents this activity to comply with customers requirements
- Lead the development and maintenance of SPC data collection, analyze capability studies, and work closely with the machinist and engineering group to improve their manufacturing process to meet the capability index desired.

#### Qualifications

- Minimum Requirements – 2 year technical degree/diploma
- Preferred – Undergraduate degree in Engineering or similar technical field
- A minimum of 3 years experience in manufacturing with emphasis on Inspection & Quality
- Preferred – AQS and/or CQE Certification

#### Accountabilities

- Accountable for managing Customer specific quality criteria
- Facilitates the resolution of non-conformances
- Resolution of quality related Customer Complaints and Concerns
- Accountable for gathering all required Customer documentation for shipping
- Accountable for all SPC data collection systems

#### Authorities

- Authority to stop manufacturing process, if necessary
- Authority to disposition non-conforming product
- Authority to approve Inspection Plans, Control Plans, Process Flow, & PFMEA's
- Authority to approve Gage R&R studies
- Authority to approve Process Capability Studies

#### Competencies

- Excellent communication skills (written and verbal)
- Working knowledge of Regulatory requirements including standards within, ISO 9001, ISO 13485, AS9100, RoHS, REACH & ITAR
- Understanding of Process FMEA
- Performing Design of Experiments
- SPC & Analytical Skills
- Thorough understanding and use of GD&T
- Ability to prioritize critical needs in a fast-paced environment
- Diverse knowledge of inspection and control methods, techniques and documentation
- Strong computer skills including, word processing, spreadsheets and databases

#### **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 200 people and located in Monticello, 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](http://ultramc.com).

UMC is an Equal Employment Opportunity Employer