QMI
Quality Machining

Quality Machining, Inc. is driven to manufacture the finest precision-machined parts available in the industry. QMI was founded in 1984 as a high precision machining company. Since its inception to present, QMI establishes themselves as a company dedicated to skilled craftsmanship, eager to embrace advanced technologies.

The craftsmanship begins with QMI's machinists. Many of our current employees have been with us for most of the duration of the company's existence. Developing new employees also aids in QMI's craftsmanship's future.

The advanced technologies practiced by QMI has aided the employees to grow in knowledge and experience right along with it. This stability and strength gained throughout the years has enabled QMI to grow from a 1,500 square foot shop to over 70,000 square feet of manufacturing complex under roof. We have over 60 pieces of CNC equipment and have a variety of other equipment used in our manufacturing processes.

QMI's machining capabilities range from short runs and prototype work, using manual milling and turning, to state of the art computer numerical controlled production, using CNC true fourth axis milling and CNC seven-axis turning.

QMI's future will bring robotic manufacturing to the fore front, to enhance quality by preventing mistakes and minimizing inconsistency and to lower the cost of production.

Industries Served

QMI provides manufacturing services to support many industries, some of which include:

- **Automotive**
- **Aerospace**
- **Construction**
- **Dairy Equipment**
- **Defence**
- **Food Processing**
- **Heavy Equipment**
- **Medical**
- **Paper Machinery**
- **Printing**

QMI PRODUCTS

Turning

CNC Turning is the process of machining using cutting tools to progressively remove material by advancing a cutter into a workpiece, and produce a custom-designed part. Automated control of machine tools is enabled by using a prepared software program.

CNC turning provides greater efficiency, accuracy and uniformity. This technology is applied to a wide range materials. Equipment includes CNC lathes with bar feeders, live tooling and mill-drill capabilities, Swiss-style CNC lathes and chuckers.

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QMI PRODUCTS

Milling

CNC Milling is the process of machining using cutting tools to progressively remove material by advancing a cutter into a workpiece, and produce a custom-designed part. Automated control of machine tools is enabled by using a prepared software program.

CNC milling provides greater efficiency, accuracy and uniformity. This technology is applied to a wide range of materials. Equipment includes Vertical Machining Centers (VMC) and Horizontal Machining Centers (HMC) capable of true fourth axis milling.

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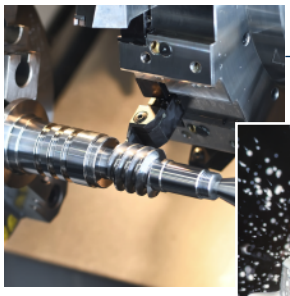
QMI SERVICES

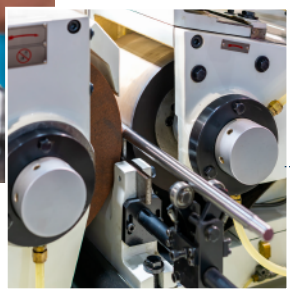


Turning

Our turning centers range from 2-7 axis and offer a range of options from simultaneous live tooling to true c-axis machining. Also, a number of our turning centers are gantry style to facilitate automated handling of customer parts from start to finish.

Milling

Our milling centers range from secondary 30 taper drilling and tapping machines to powerful 50 taper geared head machines. QMI incorporates rotary indexes and programmable 4th axis on this equipment as well.

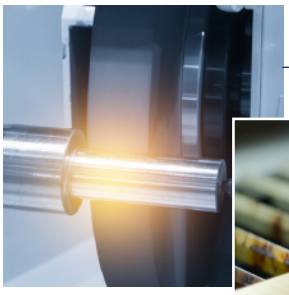


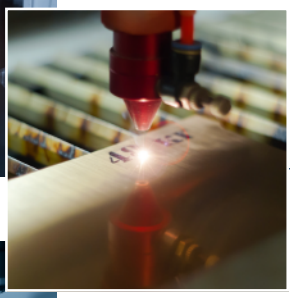
Manual Machining

For rapid prototyping, our complete manual machining department offers a wide range of capabilities for your short run needs.

Grinding

In order for QMI to achieve close tolerances for our customers' parts, we have a state of the art, climate and mist controlled grinding facility. Capabilities of our grinding department include: centerless, plunge, surface, and I.D. grinding.



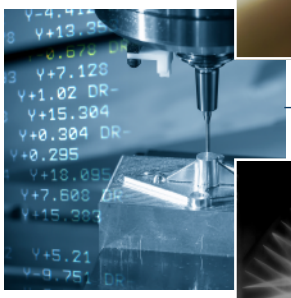


Honing

We provide cost effective honing services to ensure a part meets its most strict requirements. It increases the dimensional accuracy of a part and corrects many different types of bore defects and improves surface finish.

Part Identification

Many of QMI's customers require different methods of part identification. We are capable of laser marking, roll stamping, ink stamping, acid etching, and machine engraving.



Engineering CAD/CAM

Our engineering department utilizes two complete CAD/CAM systems. One is for creating 3-axis models for vertical and horizontal CNC programming, and the other one incorporates 2-axis modeling for our turning applications.

Parts Cleaning

We have a variety of parts washers and cleaning systems to meet our customers requirements

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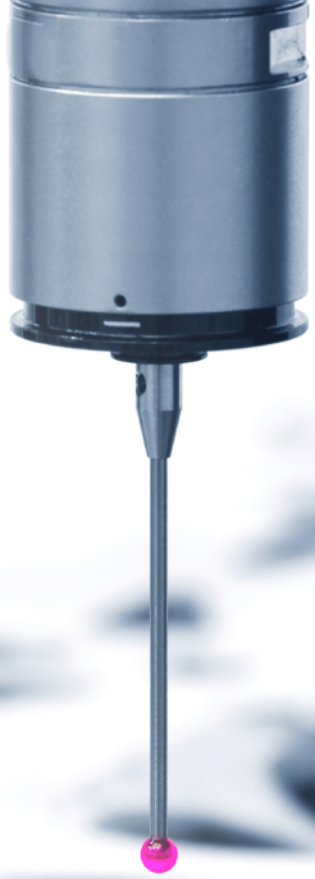
QMI's Quality Assurance Lab

is isolated in a temperature-controlled room, where the latest technoloies are utilized: Three coordinate measuring machines (CMMs), two programmable and one manual machine, a Z-mic, a Federal Formscan, a Keyence Vision System, optical comparators, thread gaging and surface finish testers, to name a few. QMI's qualified QC inspectors possess an eye for detail, knowledge of their jobs and company processes. In-process inspection is performed on parts between machining operations as required, or as specified by the part's job routing. Our advanced inspection capabilities give us the opportunity to contract inspection as a service to you in addition to our CNC machining. The following capabilities ensure ultimate quality assurance:



The following capabilities ensure ultimate quality assurance:

- **ISO 9001:2015 Certification**
- **CMM capability, manual and programmable**
- **Statistical Process Control**
- **CNC CPK capability**
- **PPAP (Part Production Approval Process)**
- **First Article Test (FAT)**
- **First Article Acceptance Test (FAAT)**
- **Process FMEA (Failure Mode Effects Anaylsis)**
- **Control plans**
- **Tool Fixturing Program and Gage Calibration**
- **Gage Software**
- **Environmentally controlled lab**
- **Special customer requirements**

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