



Manitowoc Tool and Machining LLC

World class performance that makes a world of difference



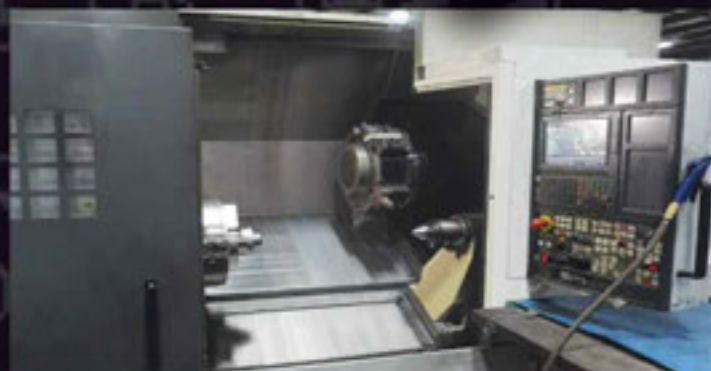
PERFORMANCE

Powered by Innovation

Manitowoc Tool & Machining is an industry leader recognized worldwide for over 5 decades of superior production machining and unmatched capability. Employing the most diverse CNC technologies available, MTM's capabilities range from the smallest of parts to those weighing in at more than 20,000 pounds.

But we're not just about equipment. The true test of a quality leader is in what you do with it. At MTM, we employ numerous, innovative quality control measures. Every project is monitored via bar code routings to ensure traceability down to the smallest detail. Innovative manufacturing "cells", computerized quotations and certified inspections provide unmatched efficiencies and flexibility.

MTM's diversification translates into efficient production of various size parts and lot quantities, from parts smaller than your hand to those exceeding 20,000 pounds.



Various size lathes enable MTM to perform diverse operations in a single machine, while maintaining superior finishes.



Our Mazak Megaturn Nexus 900M VTL greatly reduces cycle times and minimizes floor space requirements while dramatically increasing tool life by working with gravity, not against it.



Efficient, consistent production is standard on our CNC Toshiba BTD13 horizontal boring and milling machines. Each machine has a programmable rotary index table.



Our prototype/fixture room is supported by engineers, the latest software, and our "Top Gun Machinists" to provide extremely elaborate fixture builds.



We operate a variety of turning centers, including this Mazak Multiplex 6300Y twin spindle/twin turret 6-Axis Center with a Gantry Robot, the most efficient turning center made.



Tooling inventory is monitored via vending machines to reduce costs and maximize efficiency with automated reorder software.

In the tool & machining industry, lasting relationships are dependent largely upon the skill of our work force. At MTM, we are committed to the ongoing training and development of our team to keep them on the leading edge of technology and performance. We invest diligently in apprenticeship programs and maintain a company in-house training resource group. These advancement opportunities and programs translate into employee pride, consistently high quality and complete customer satisfaction.

You can be assured that your project is guided by highly skilled, "best of the best" craftspeople who closely monitor production down to the smallest detail.

DRIVEN

To Satisfy



"Done In One" – This 5-Axis CNC Mazak E-650H Integrex allows us to complete very intricate and difficult operations in minimal time.



MTM specializes and excels in Horizontal Machining Capabilities. Our numerous machining centers allow us to produce high quality parts with several backup stations to support high-demand schedules.



Operation on one of our many state-of-the-art Pallettech Systems is managed by a cell controller. Following a preset production schedule, pallets are automatically transferred from the pallet stocker to a machining center. As each pallet is finished, it is automatically replaced with the next. This results in much higher spindle utilization, reduced costs, and on-time delivery – every time.

MTM's capabilities are truly full-service and integrated. Within our walls you'll find the source of responsibility for all of your machining needs, from initial design assistance, to the purchase of castings and raw materials, to assembly and painting. We have a large and ever growing temperature controlled facility housing a complete lineup of State-of-the-Art machining equipment and warehousing facilities.

In addition to our expertise in production machining and special machining, we offer concurrent engineering services and support one-piece prototype machining through full production runs.

CAPABILITY

Born of Commitment



5-Axis Automated Mazak Mark III Integrexes with Gantry Loaders. This fully automated cell is the "State-of-the-Art" in automation design developed by MTM's own engineers. We are able to reduce overhead costs by utilizing this 8 machine cell under the supervision of a single operator.



Our DMG Mori NHX 5500 5-pallet pool horizontal machining center provides unsurpassed performance, precision, reliability and production value for high-volume operations.



This Okuma Crown L1060E turning center with Fedek bar feeder employs a state-of-the-art Fanuc 6-Axis Robot.

At MTM, improvement never ends. We are continually growing, adding, updating, and innovating to maintain our leadership as a "World Class" tool & machining supplier. We are committed to staying abreast of the latest technologies and equipment and investing in them as needs surface. This philosophy has led to MTM's growth as one of the most equipped, capable, and technologically advanced machining facilities in the country.

The combination of MTM's full lineup of machining technologies with the expertise and dedication to perfection, found in every member of our operation results in a supplier you can trust for your most critical and demanding needs. MTM is your go-to, and one-stop resource for all of your machining needs.

TECHNOLOGY

On Demand

PRECISION

Thinking. Precision Results.



Our 24/7 quality lab is fully equipped with 6 state-of-the-art CMM machines, including the incredibly accurate and precise "Zeiss" 1200 carat measuring machine. The lab provides rapid inspections with the latest software, motorized probes, and scanning heads to insure quality and consistency in every part we make.

You want suppliers who are dependable and make top quality a top priority, who stay abreast of and invest in new technologies and new equipment, and who work closely with you to make certain you are completely satisfied throughout the process and long afterwards. MTM's commitment to building long lasting, mutually beneficial partnerships with our customers is built on these principles. Whether you have a routine question or an emergency situation, you can count on MTM for the critical support and around-the-clock service you need.

We take our claim of "World Class Performance" very seriously. We invite you to learn more about the "World of Difference" we can make for your business. Contact us today.



Our Brown and Sharpe Global Image DCC coordinate measuring machine with scanning probes provides the combined performance of accuracy and speed. Bringing out its top acceleration for maximum measuring throughput.



Cost, Quality, Flexibility, and Velocity. MTM directs focus on Lean Six Sigma managerial concepts to minimize waste and maximize efficiency.



Ample temperature controlled warehouse space stores raw & finished product. MTM's entire warehouse inventory is monitored through our in-house computer systems.



Class 1000 clean room laboratory with the latest equipment to assure cleanliness specifications are met consistently throughout the production cycle.

*We invite you to
visit us at MTM.*

If you have an important project that you need to entrust to people you can depend on, we invite you to come and see us, tour our unique facilities, and most of all, meet our people face to face.

All of us at MTM look forward to the opportunity of serving you soon.



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