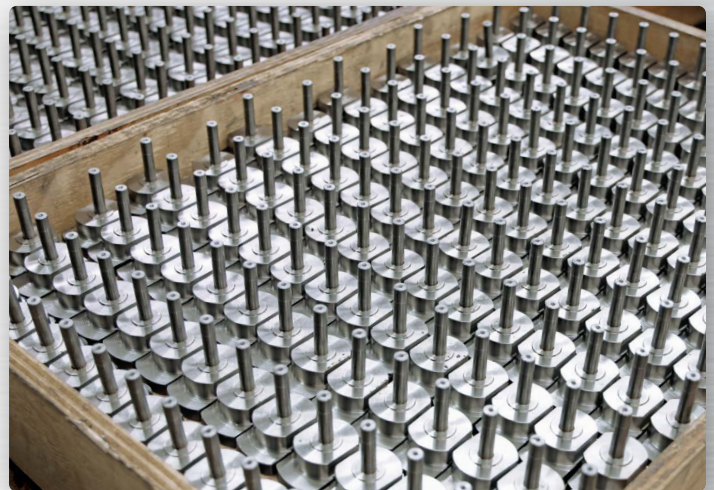


A **DYNABRADE** Company



## YOUR ONE-STOP SHOP FOR PRECISION MACHINING, MANUFACTURING, AND FINISHING SOLUTIONS



Manth prides itself on supplying on-time delivery of medium and high-volume production of complex close tolerance components, providing full-service capabilities including:

- Up to 4 Axis CNC Milling
- CNC Turning
- Robotic/Automation
- Lights-Out Manufacturing Capacity
- Secondary Operations:
  - Heat Treat
  - Plating
  - Black Oxide
  - Tumble Finishing
- Sub-Assembly and Component Kitting
- Kanban
- Quality Control
- Reverse Engineering Capability
- Prototyping
  - First-Piece Machined Articles
  - 3D Printing – an effective evolution to the prototype process. We can print high strength parts up to 14" x 10" x 14" in a variety of materials including ABS-M30 and ESD7, Diran, PC-ABS, TPU, ASA and PLA.

## YOUR ONE-STOP SHOP FOR PRECISION MACHINING, MANUFACTURING, AND FINISHING SOLUTIONS

Manth Mfg., located in Tonawanda, NY, has been providing the highest quality precision machining, manufacturing, and finishing solutions to customers for over 60 years with a commitment to operational excellence.

Founded as a tool and die shop in 1962, Manth, Mfg. has evolved into a high-tech production machine shop with over 50 CNC turning, milling, and grinding machines, deploying the latest state-of-the-art technologies to meet the highest quality precision machined components our customers demand. We work with a variety of materials including ferrous and non-ferrous metals as well as plastics.

Our main goal in partnering with our customers is to meet their production needs and provide a collaborative team environment for meeting and exceeding customer expectations.

## TECHNICAL SUPPORT

Get us involved early in the ideation/conceptual design stage so that we may advise and assist in material selection and manufacturability. We accept drawing data in file formats commonly used.

## SWISS TURNING

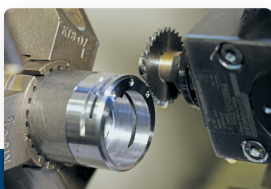
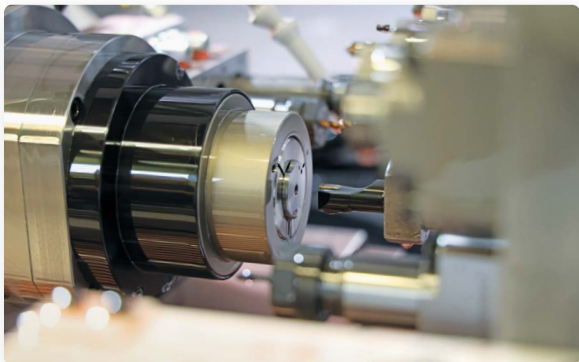
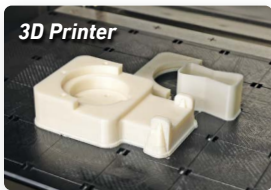
A Swiss-type lathe is designed to turn small, complex precision parts. It differs from a conventional lathe where the part is fixed and the tool moves. A Swiss style machine allows the stock/part to move on the horizontal Z axis with the tool being stationary. This allows for the machining of exceedingly small diameter parts with greater length-to-diameter ratio. With the quantity of stationary and live tool stations this machine offers, complex parts can be completed in one setup, eliminating the need for secondary machining and deburring operations.

- Up to 5 axis Swiss turning capacity.
- Diameter range .0625" up to 1.5".
- Lights-out production.

## MULTI-AXIS TURNING

Multi-axis turning offers the same benefits as multi-axis milling, producing a higher quality product with fewer secondary operations while reducing labor costs.

- Up to 4 axis machining.
- Size range up to .5 cubic foot.
- Diameter range up to 6".

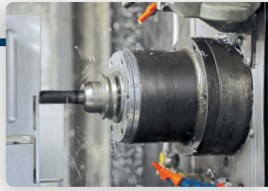




## MULTI-AXIS MILLING

Multi-axis machines can produce high precision components. By optimizing tooling setup, they can reduce the number of machining operations, thus reducing labors costs, improve dimensional quality and control, and minimize secondary deburring.

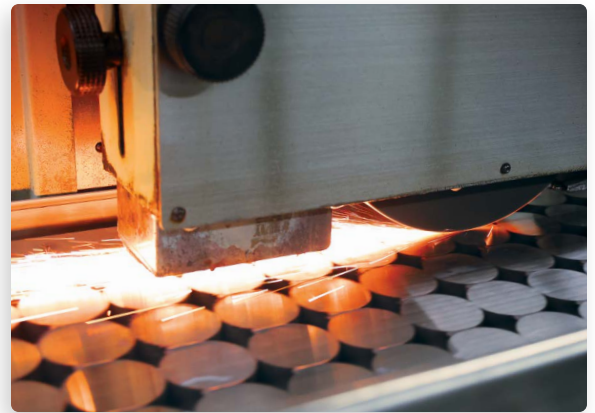
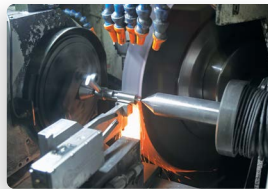
- Up to 4 axis simultaneous machining.
- Size range up to .5 cubic foot.



## CNC GRINDING

CNC grinding can maintain high accuracies on difficult parts that require form grinding of angles, tapers, and radii. These machines are used for production jobs that require extreme repeatable accuracy.

- Precision OD/ID and surface grinding capability.
- Diameter range .5" up to 6".



## AUTOMATION

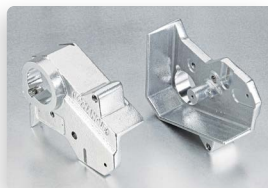
Automation boosts efficiency and transforms and optimizes manufacturing process in machine tending.

- Auto part load/unload.
- Unattended operation minimizes labor costs.



## VIBRATORY FINISHING

Vibratory tumbler finishing systems offer exceptional deburring, cleaning, and polishing results on brass, copper, steel and aluminum for assorted small parts utilizing various abrasive media.



## QUALITY CONTROL

### ISO 9001:2015 Certification

Manth's Quality Management System has been ISO 9001:2015 certified at our Tonawanda, NY facility from American Global Standards, LLC, obtained July 2021.



### What Does This Mean For Our Customers?

ISO is the International Organization for Standardization. The ISO 9001:2015 certification is granted to those who demonstrate the ability to consistently provide products and services that meet customer and other regulatory requirements, enhance customer satisfaction, exceed quality management systems, and adapt to a changing world.

### QC Equipment and Capabilities:

- Optical Comparator is a high precision amplification measuring tool useful to quickly take 2D measurements on a variety of parts.
- Microscope inspection is a specialized imaging device used to thoroughly inspect and analyze parts. Designed for precision and accuracy, its main purpose is to magnify and reveal minute details and features that would be challenging or impossible to see with the naked eye.
- Coordinate-Measuring Machine (CMM) measures the geometry of components by sensing discrete points on the surface of the object.
- Measurement capability down to .0001" resolution.
- First Article, in-process and final inspections.
- In-house calibration.
- Inspection reports proving to our customers that the products ordered meet their expectations.

### Packaging, Inventory Management and Shipping:

- Specialized packaging and boxing
- Kanban shipments
- Kitting
- Drop shipments
- Inventory Management
- International shipments



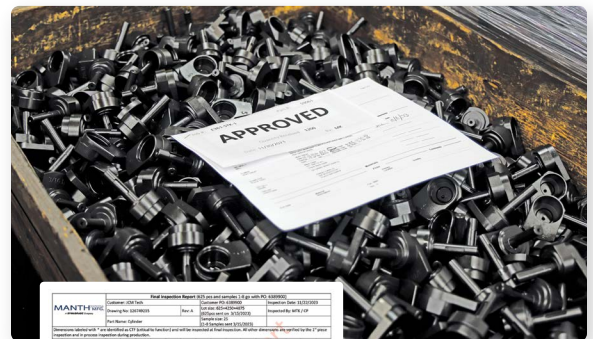
Optical Comparator



Microscope Inspection



Coordinate-Measuring Machine (CMM)



Detailed Inspection Reports

**CONTACT US TODAY FOR A QUOTE!**



**MANTH MFG.**

A **DYNABRADE** Company



Reorder No. M24-01