

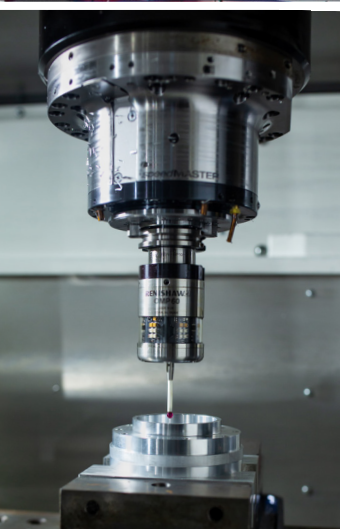


EXCELLENCE IN MACHINING  
**SINCE 1944**

From start to finish, Masterbilt's focus on excellence in customer service, machining, quality, and efficiency throughout the manufacturing process separates us from other precision machine shops.

Skilled teams of engineers, machinists and technicians with deep manufacturing knowledge identify the most efficient method to create your part or propose alternative solutions to your manufacturing challenges. A stable, experienced leadership team guides the operation and reinforces our goal of excellence and continuous improvement in manufacturing methods, tooling, equipment and communication to exceed your expectations. Lean deployment streamlines our processes to ensure top performance in quality, delivery, and cost while maintaining a facility and operation that is efficient, clean, and organized.

This is all why Masterbilt will save you time and money whether shortening the time to market for new product development or providing full support to your ongoing production needs.

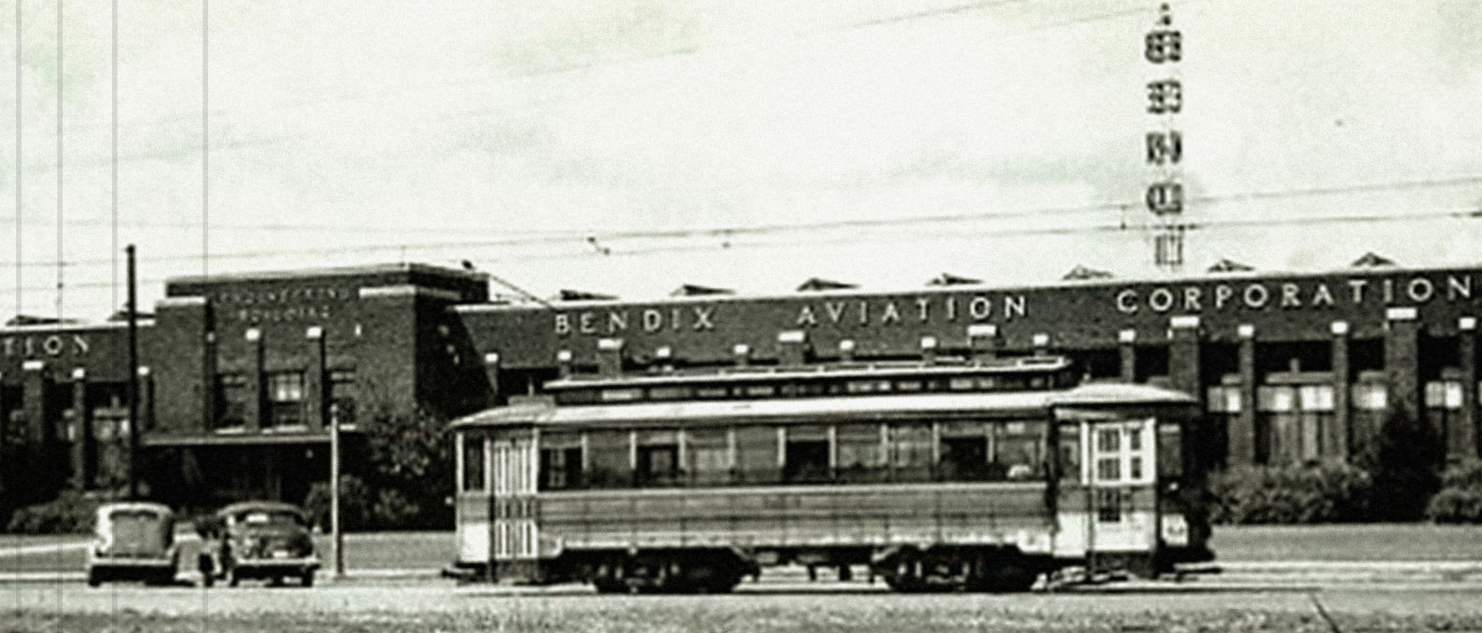


## A CENTER OF EXCELLENCE IN HIGH-PRECISION MACHINING,

Masterbilt focuses on providing exceptional value for our customers through impeccable quality and dependable, rapid delivery of machined or manufactured parts and assemblies.

With a commitment to lean deployment and advanced manufacturing approaches, we use the most efficient and accurate methods to control the machining process and provide maximum benefit for our customers. To take advantage of performance characteristics of our equipment, every project is analyzed for flow in combination with machine capabilities.

Our investment in the latest technology, high-precision equipment, and technical training for our employees is ongoing and we constantly seek to enhance our capabilities to meet the next challenge. A variety of manual machines, extensive CNC capabilities, and specialized equipment enable us to machine a wide range of complicated parts and handle complex operations faster and with greater accuracy. Rigorous quality assurance procedures are integrated through everything we do. Continually pursuing improvement, we meet or exceed customer and industry requirements. Our quality system is certified to AS9100D, ISO 13485, and ISO 1:2015.



## THE HISTORY OF INNOVATION AND PRECISION MACHINING

at Masterbilt goes back to 1944. Over the past 75-plus years, we have maintained our uncompromising commitment to the highest quality standards, production efficiency, and customer satisfaction.

Leadership has passed smoothly from one generation to the next, building upon decades of technical experience and providing a consistent framework of operation. Since 1960, our focus has been on excellence in manufacturing high-precision machined parts for the aerospace, defense, medical implants and devices, and other specialized industries.



## TIMELINE

- 1944** South Bend Machine Works begins operations
- 1950** First government order received as Masterbilt Machine Products
- 1960** Sprinkler phased out, focus on machining
- 1961–1992** Focus on aerospace and defense products
- 1992** Expansion into industrial and medical
- 2005** Machinery investment improving technology
- 2015** Additional investment in machinery and lean tool deployment
- 2018** Acquisition of Precision Piece Parts, Incorporated
- 2020–2021** Consolidation into the Voorde plant creating a Center of Excellence



## IT TAKES A SPECIAL TEAM OF HIGHLY TRAINED INDIVIDUALS

to measure up to our standards of flawless internal execution, zero-defect customer quality, and on-time delivery. Every employee demonstrates a quality-driven mindset that's visible at every stage, from receiving raw materials to shipping the finished product, all within our clean, organized production environment. Whether we're producing a prototype or thousands of pieces, we're dedicated to serving our customers with excellence and constantly seeking improvement. We thrive on solving problems and the opportunity to put our intellectual and machine capabilities to work creating innovative solutions for our customers.



# MILL TURNING

High-quality, high-precision machining pairs with Masterbilt's innovation and focus on process efficiency and attention to detail. Your project is handled with precision from start to finish—from preliminary information gathering through R&D to the machining process, inspection, and delivery. Our experienced and highly skilled machinists and engineers will recommend the best and most efficient machining solution for your parts.



## MILL TURNING

- Fittings
- Adapters
- Covers
- Housings
- Connectors
- Bodies

- Aerospace, medical and other parts and components
- Fittings, adapters, covers, housings, connectors, bodies

- Precision production when there is no room for error—in aerospace and similar applications.
- High quality tooling components

# SWISS TURNING

From digital or 3D models and early prototypes to the finished part, Masterbilt ensures that the process runs smoothly. Machines are grouped to promote efficiency and maintain flow through the facility. Order and organization are priorities that also increase our agility and responsiveness to your demand changes.



- Screws, plugs, bushings, poppets, valves, sleeves, miniature parts in high quantities

- Medical applications – bone screws, handles, graspers, ligation devices, surgical equipment, catheters

- Internal and external features on the component can be machined simultaneously, including drilled holes, bores, reamed holes, slots, tapping, tapers, threads, and broaching.

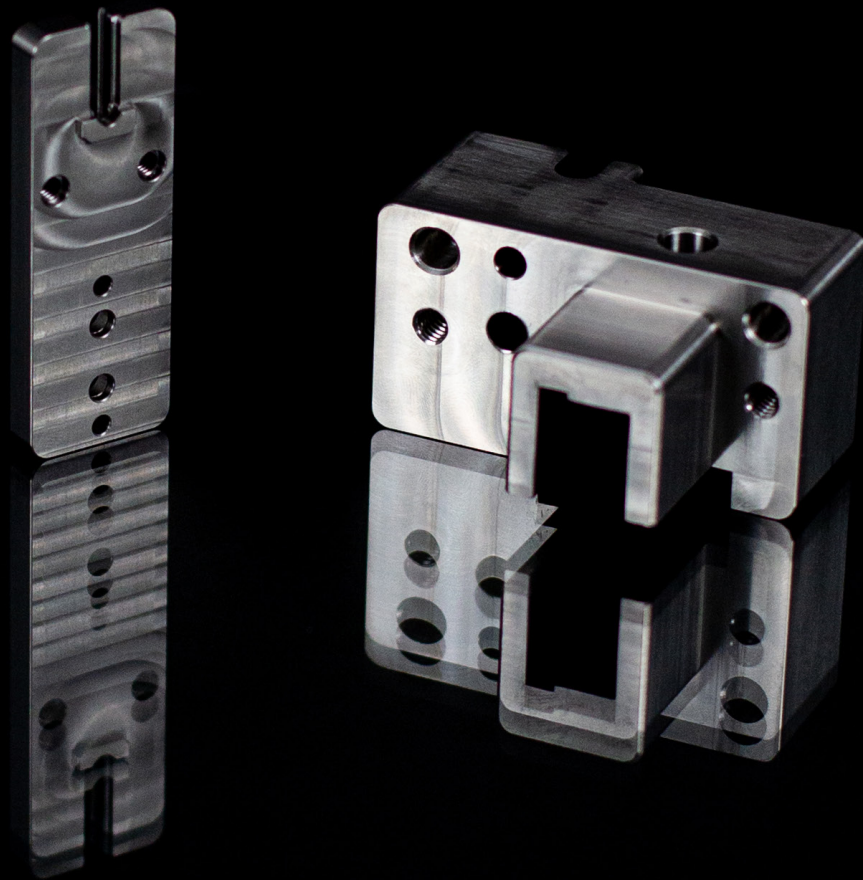


## SWISS TURNING

- Screws
- Plugs
- Bushings
- Poppets
- Valves
- Sleeves
- Miniature parts in high quantities
- Medical parts

# COMPLEX MILLING

Multi-axis and complex machining provide the extreme accuracy that's required for automotive, aerospace, and medical applications and illustrates the precision and level of excellence in machining that characterize everything we do at Masterbilt. Lean manufacturing processes drive our operations and help us bring you improvements in design that lead to better performance and lower costs.



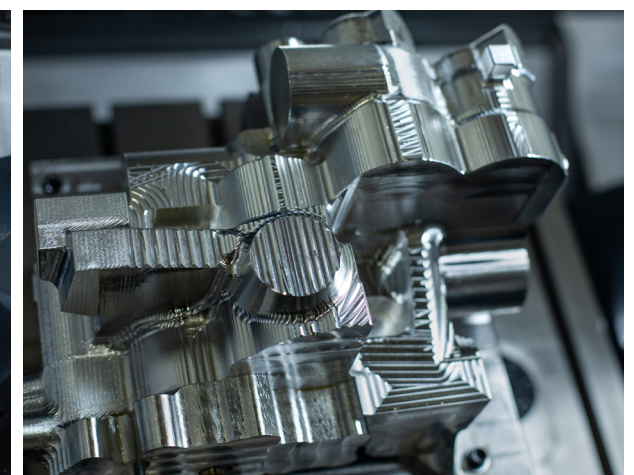
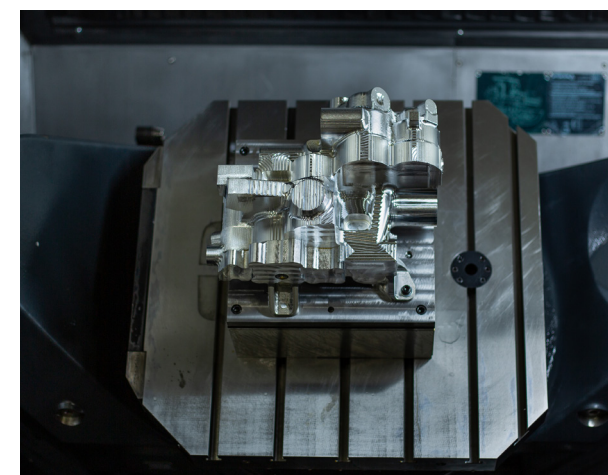
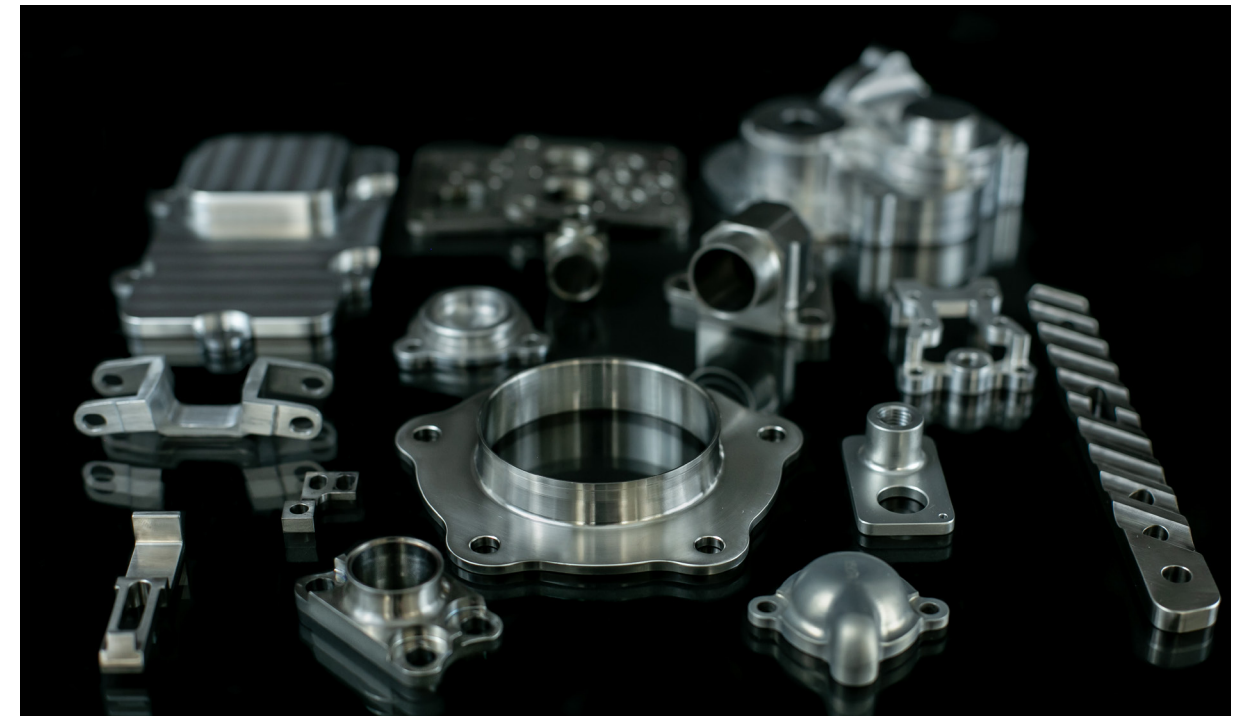
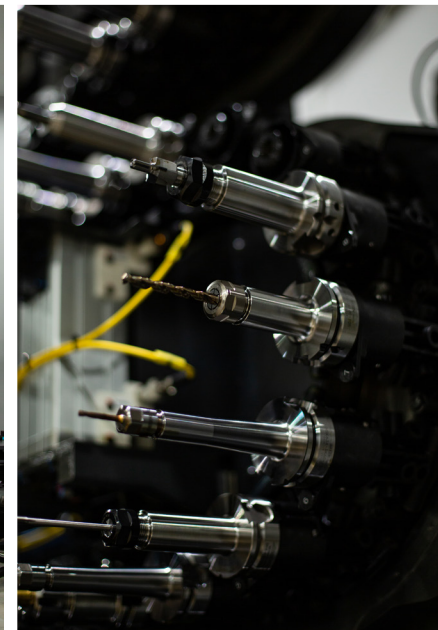
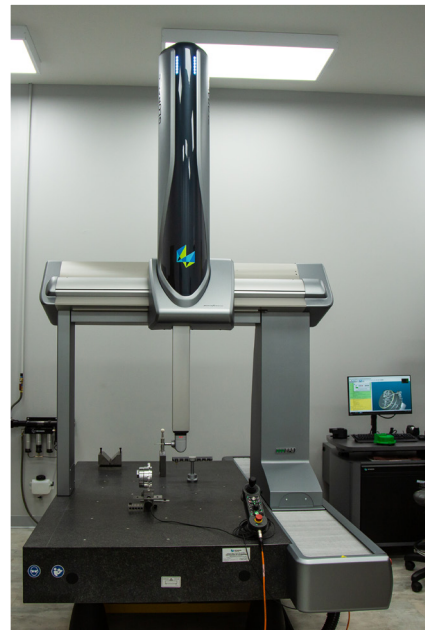
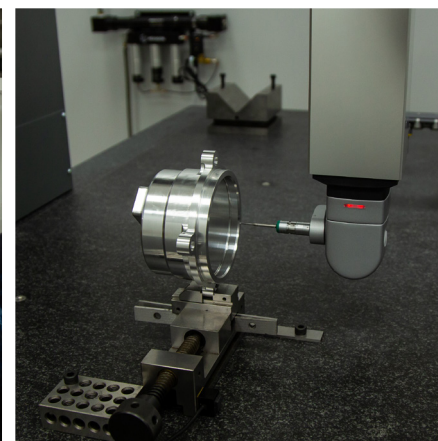
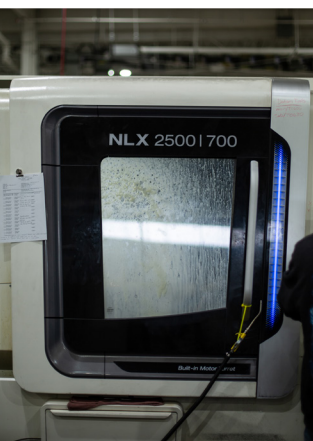
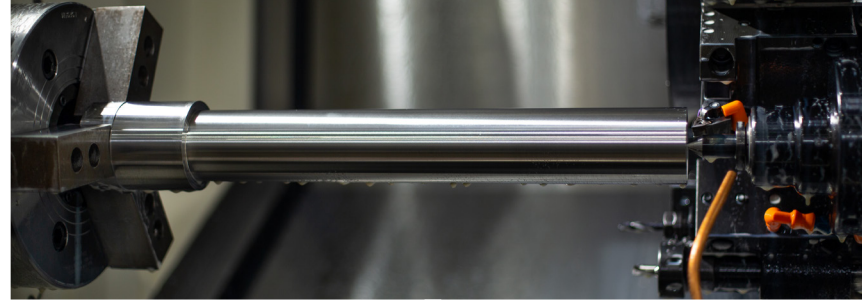
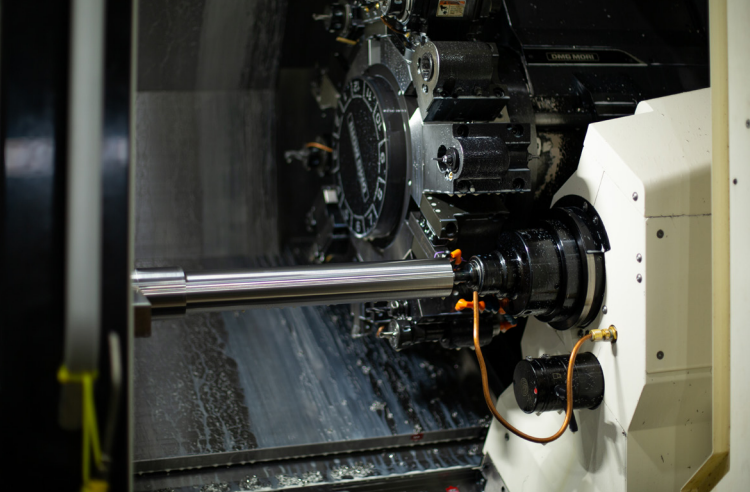
## COMPLEX MILLING

- Turbine blades
- Housings
- Manifolds
- Bodies
- Covers
- Complex contours
- Situations requiring precise tolerance

- Turbine blades, housings, manifolds, bodies, covers, complex contours, situations requiring precise tolerance

- Complex geometries to provide requisite strength but reduce weight

- Machining with exotic alloys and materials, innovative composites



# ASSEMBLIES

More than just single parts, Masterbilt brings the full suite of design and engineering capabilities to every project, including production of complete assemblies that encompass multiple machined components, inserts, plugs, seals, and fasteners, to produce a single product. Our advanced technologies, lean manufacturing strategies, and reliable, professional engineering and design team help you achieve your product requirements for medium to high production volumes.



- Surgical implants, medical devices for cardiac care, respiratory products, and orthopedic devices

- Gear assemblies, valves, bearings and other automotive or aerospace assemblies



## ASSEMBLIES

- Specialized medical devices
- Surgical implants
- Orthopedic devices
- Gear assemblies

# MEDICAL PARTS

When tolerances are tight and the margin for error is non-existent, Masterbilt can get the job done smoothly from concept to delivery. Medical tools and medical devices that are implanted both require extreme precision and attention to detail and are perfectly suited to the machining processes Masterbilt provides. With critical machine operations organized into cells, we reduce product movement within the plant to improve flow to bring higher efficiencies.



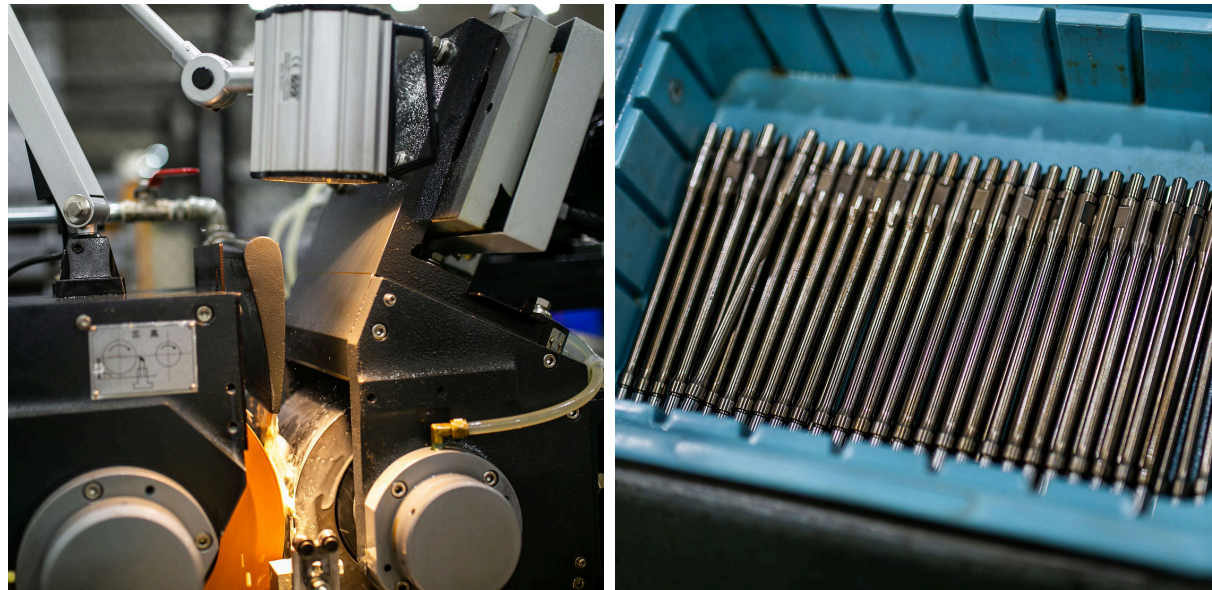
- Implants – orthopedic applications
- Precision cannulas, biopsy tubes, medical screws, components that could be surgically implanted
- Devices and tooling – medical equipment and components
- Surgical instruments, surgical scissors, components for medical machinery (respirators, etc.)

## MEDICAL PARTS

- Bone screws
- Implants
- Medical instruments
- Medical tools

# GRINDING & EDM

Professionalism and streamlined, effective processes are a given when working with Masterbilt. With decades of experience and highly trained machinists and engineers working on every project, you're assured of high-precision results and adherence to tight tolerances. High precision grinding and electric discharge machining are tools for achieving the level of accuracy your job demands.

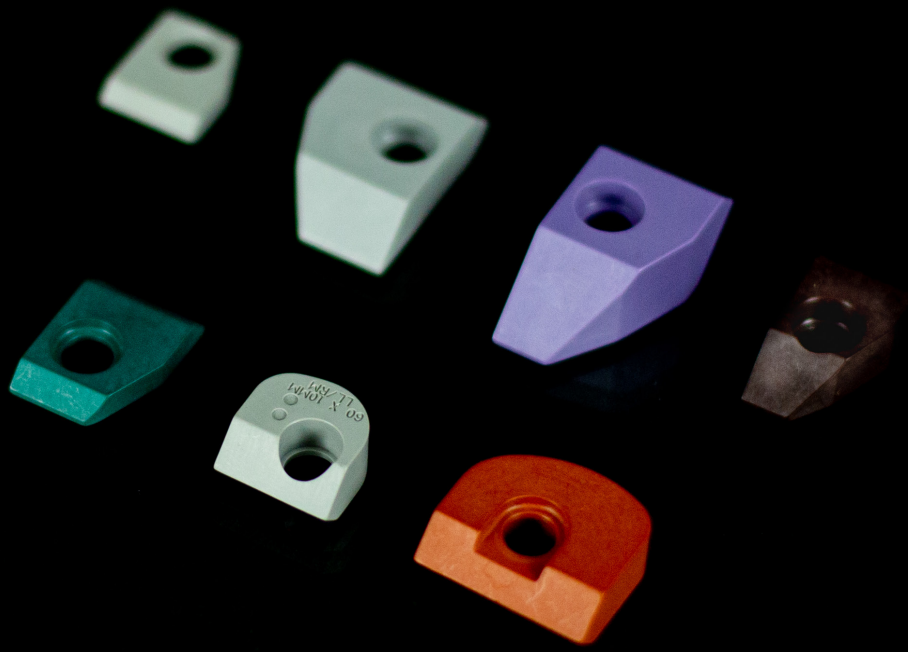


- Miniature parts, valves
- Precision lathe work for implants
- Ventricle assist device, Lasik surgical blade, respiratory, cardiopulmonary, cardiac purposes
- Bearing sets, gear profiles (grinding)—require very fine finishes with accurate dimensions



## GRINDING & EDM

- Precision lathe work
- Exact fine finishes and dimensions for medical and other industries
- Bearing sets, gear profiles (grinding)
- Miniature parts



**MASTERBILT**  
PRECISION MACHINING

[Masterbilt-Inc.com](http://Masterbilt-Inc.com)

