



Imago Manufacturing, LLC
 720 South Eastwood Drive
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Imago Manufacturing Machining Capabilities and Capacities

Imago Manufacturing is an ISO 9001:2015 certified, **100% Solar Powered**, precision CNC machining company located in Northern Illinois. Serving a variety of North American businesses, we specialize in short to mid-range production machining of a wide range of materials. Imago Manufacturing invests in the very best late-model CNC machines from the world's top builders. Our Multi-tasking CNC Turning Centers have modern innovations like Y-axis live tooling, for done-in-one milling machine capability on a lathe. Our Mills have on machine probing and 5-axis milling for the ultimate in productivity and reliability.

Machining capabilities



- Milling
 - 3-axis simultaneous machining
 - 5-axis machining
 - Facing
 - Pocketing
 - Profiling
 - Engraving
- Drilling
- Reaming
- Boring
 - Internal Profiling
 - Counterboring
 - Countersinking
- Laser Marking
- Turning
 - Contour Turning
 - Form Turning
 - Groove Turning
 - Hard Turning
 - Shaft Turning
 - Straight Turning
 - Taper Turning
 - Turning Between Centers
- Threading
 - External Threading
 - Internal Threading
 - Tapered/Pipe Threading
 - Tapping
 - Thread Milling
- CNC Broaching ID & OD
 - Keyways (live tooling)
 - Rotary Broach

CNC Machining Equipment






- 2022 HAAS VF4SS CNC Milling Machine Featuring a HAAS TRT-160 5-Axis Rotary Table, Through the spindle coolant system and Renishaw Work and Tool Probing System
- 2020 Okuma LB4000EXIIBBM/750 L3000e CNC lathe featuring C-Axis Live Tooling, Programmable Tailstock
- 2019 HAAS ST25Y CNC Lathe Featuring Y-axis Live Tooling and a HAAS Barfeeder
- 2017 Okuma GENOS L3000e CNC lathe featuring C-Axis Live Tooling, Programmable Tailstock and an LNS Quick Load Servo 80 S2 Automatic bar feeder
- 2013 Okuma LB3000EXIIMYW CNC Lathe Featuring Y-axis Live Tooling, Programmable Sub-spindle and an LNS Quick Load Servo 80 S2 Automatic bar feeder
- 2007 HAAS GT10 CNC Lathe 2-axis Chucker

Unique Machine Capabilities

- CNC Mill Featuring 5-axis Machining Capability and On-machine Work and Tool Probing
- CNC Lathe with Live tooling (Milling Capability on a Lathe), Y-axis, Sub-spindles, Programmable Tailstocks and Automatic Bar Feeders



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Turning Diameter	<ul style="list-style-type: none"> • Barfeed: 1/4" up to 3-1/8" • Chucking: up to 16-7/8" 	
Turning Length	<ul style="list-style-type: none"> • 30" Between Spindles • 29.5" Chucking with Tailstock 	
Milling Length	<ul style="list-style-type: none"> • Approximately 24" (30" Maximum Machine Travel) 	
Milling Width	<ul style="list-style-type: none"> • Approximately 14" (16" Maximum Machine Travel) 	
Milling Height	<ul style="list-style-type: none"> • Approximately 16" (20" Maximum Machine Travel) 	
Tolerance	<ul style="list-style-type: none"> • +/- .0001" dimensional and 16 Microfinish as machined 	
Materials 	<ul style="list-style-type: none"> • ABS • Acetal • Acrylic • Alloy Steel • Aluminum • Brass • Bronze • Cast Iron • Copper • Delrin • Dura Bar • Hastelloy • Inconel • Manganese Steel 	<ul style="list-style-type: none"> • Monel • Nickel • Nitronic 60 • Nylon • PEEK • Polycarbonate • PTFE • PVC • Stainless Steel • Steel • Teflon • Titanium • UHMW • Ultem
In-house Support Services 	<ul style="list-style-type: none"> • ISO 9001:2015 Certified • Assembly • Kitting • Labeling • Manual machining • Vapor Blasting • Vapor Deburring 	<ul style="list-style-type: none"> • Ultrasonic cleaning • Packaging • Parts cleaning • Sawing • Vibratory Deburring • Warehousing • Laser Marking and Engraving
Software	<ul style="list-style-type: none"> • Mastercam 2024 CAM programming software 	<ul style="list-style-type: none"> • ECI Job Boss Shop Management Software
Outside Services 	<ul style="list-style-type: none"> • Anodizing • Bead/Sand Blasting • Electropolishing • Grinding • Heat treating 	<ul style="list-style-type: none"> • Painting • Passivating • Plating • Powder coating • Welding