



CAPABILITIES & EQUIPMENT

PRODUCT OVERVIEW

MIC Group, a leader in precision manufacturing and assembly, brings over 60 years of expertise to solve complex challenges across industries. Our 130,000-square-foot climate-controlled facilities house advanced equipment for high-precision CNC machining, electron beam welding, pressure testing, and non-destructive testing (NDT).

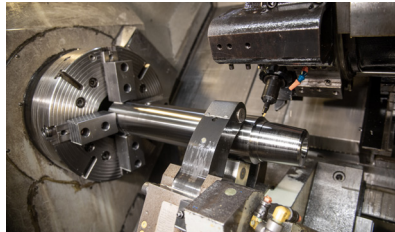
With vertically integrated operations, we streamline production to deliver cost savings and reduced lead times. Combining technical expertise with cutting-edge technology, MIC Group provides tailored, innovative solutions with superior quality and efficiency.



Quality	TYPE	Scope	Comments
Special Certifications	ISO 9001:2015	Certificate Expires October 21, 2027	Central Function: Manufacture, Assembly, and Repair of Machined Components and Electromechanical Assemblies for the Energy, Commercial and Aerospace and Defense Sectors.
Special Certifications	AS9100D	Certificate Expires October 21, 2027	Central Function: Manufacture, Assembly, and Repair of Machined Components and Electromechanical Assemblies for the Energy, Commercial and Aerospace and Defense Sectors.
Special Certifications	IPC-J-STD-001C	Requirements for Soldered Electrical and Electronic Assemblies	
Special Certifications	IPC/WHMA-A-620	Requirements and Acceptance of Cable and Wire Harness Assemblies	
Special Certifications	IPC-A-610	Acceptability of Electronic Assemblies	
Special Certifications	ITAR Compliance		

MACHINE CENTERS

Our machining center is equipped with a comprehensive range of cutting-edge machines designed to support a wide variety of manufacturing needs. With a versatile lineup of horizontal, vertical, and manual machining centers, we have the capability to handle complex and precise machining tasks. Our facility includes advanced 4-axis and 5-axis CNC machines, offering high-speed performance, multi-axis movement, and substantial workpiece capacity. From large-scale production to intricate precision work, our diverse fleet of equipment ensures flexibility, efficiency, and superior quality in every project. This robust machine portfolio enables us to meet the demands of industries requiring accuracy, speed, and versatility in production.

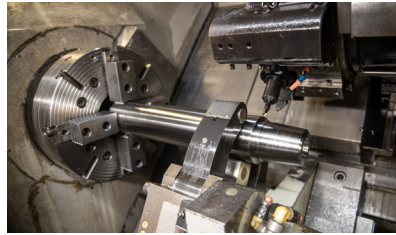


Machining Centers	Make & Model	# of Machines	# of Axis	HP	RPM	X Axis Limit	Y Axis Limit	Z Axis Limit
Horizontal 4-axis	Kuraki KBM-11X	1	4	25	3,000	59 in	47 in	27.56 in
Horizontal 4-axis	Toshiba BTD-13F.R22	1	4	40	2,500	118 in	90 in	63 in
Horizontal 4-axis - 630mm	Okuma MA-600HII	3	4	40	12,000	39 in	35 in	39 in
Vertical 3-axis	Haas Mini Mill	1	3	7.5	6,000	16 in	12 in	10 in
Vertical 3-axis	Haas TM-1	2	3	7.5	4,000	30 in	12 in	16 in
Vertical 3-axis	Haas VF-10/50	2	4	30	7,500	120 in	32 in	30 in
Vertical 3-axis	Haas VF-2	1	4	30	8,100	30 in	15 in	20 in
Vertical 3-axis	Haas VF-2B	2	4	30	8,100	30 in	15 in	20 in
Vertical 3-axis	Haas VF-4	5	4	30	8,100	50 in	20 in	25 in
Vertical 3-axis	Haas VF-4B	2	4	30	8,100	50 in	20 in	25 in
Vertical 3-axis	Haas VF-6/50	2	4	30	7,500	64 in	32 in	30 in
Vertical 3-axis	Haas VF-7/50	2	4	30	7,500	84 in	32 in	30 in
Vertical 3-axis	Mori Seiki NV5000	1	4	14.8	12,000	40 in	20 in	20.1 in
Vertical 4-axis	Okuma Millac 852V II	2	4	25	6,000	120 in	33.46 in	29.53 in
Vertical 5-axis	Deckel Maho DMF360	1	5	40	12,000	140 in	36 in	35.4 in
Vertical 5-axis	Deckel Maho DMU100	1	5	40	10,000	39 in	39.4 in	39.4 in
Manual, Mill	Bridgeport Kneemill	6	3	2	4,000	42 in	9 in	5 in
Manual, Mill	Devlig Jigmill	1	3	7.5	1,200	35 in	48 in	36 in

MACHINE CENTERS

Lathes / Turning Centers / Multitasking Lathes	Make & Model	# of machines	Type	HP	RPM	Max Turning Dia.	Max Turning Length Between Centers
Vertical - turning only	Kent KT2500	1 (available at West)	VTL	80	260	98.0 in	63 in
Horizontal - live tooling	Mori Seiki SL- 600C/2000	1	Horizontal	50	1,500	35.4 in	78.7 in
Horizontal - live tooling	Mori Seiki SL- 603BMC/2000	1	Horizontal	50	1,500	35.4 in	78.7 in
Horizontal - Live tooling, Sub- Spindle	Haas TL-25	1	Horizontal	40	3,200	15.0 in	32.5 in
Multitasking Lathes	Okuma Multus SB 300	1	5	15	5,000	24.8 in	35.4 in
Multitasking Lathes	Okuma MULTUS U5000	1	5	40	3,000	25.6 in	78.7 in
6-axis Swiss Type CNC lathe	Tsugami B0386-III	1	6		7,000	1.5 in	12.59 in
Horizontal - Live tooling, Y Axis Milling	Haas DS-30Y	1	Horizontal	30	4,500	18.0 in	23 in
Horizontal - turning only	Doosan 300LC	2	Horizontal	35	2,800	15.7 in	50.4 in
Horizontal - turning only	Doosan 480L	1	Horizontal	60	1,500	25.6 in	80.4 in
Horizontal - turning only	Doosan 500	1	Horizontal	60	1,500	27.5 in	62 in
Horizontal - turning only	Haas CL-1	1	Horizontal	5	6,000	1.0 in	12 in
Horizontal - turning only	Haas SL-20T	2	Horizontal	20	4,000	21.0 in	22.5 in
Horizontal - turning only	Haas SL-30T	7	Horizontal	30	3,400	21.0 in	22.5 in
Horizontal - turning only	Haas ST-35	1	Horizontal	40	3,200	15.0 in	32.5 in
Horizontal - turning only	Hardinge OT-CNC	1	Horizontal	7.5	5,000	14.0 in	8 in
Manual, Mill	Bridgeport Kneemill	6	3	2	4,000	42 in	9 in
Manual, Mill	Devlig Jigmill	1	3	7.5	1,200	35 in	48 in

MACHINE CENTERS



Lathes / Turning Centers / Multitasking Lathes	Make & Model	# of machines	Type	HP	RPM	Max Turning Dia.	Max Turning Length Between Centers
Horizontal - turning only	Mori Seiki 603	2	Horizontal	50	1,500	36.6 in	78.7 in
Horizontal - turning only	Mori Seiki SL300A	2	Horizontal	20	3,500	17.0 in	28.3 in
Horizontal - turning only	Mori Seiki SL-603CMC/3000	1	Horizontal	60	1,000	35.4 in	118 in
Horizontal - turning only	Samsung SL15	1	Horizontal	20	6,000	11.8 in	11.8 in
Horizontal - turning only	Weiler E120	1	Horizontal	67	900	48.0 in	216 in
Horizontal - turning only	Weiler E35	1	Horizontal	15	3,000	13.7 in	36 in
Horizontal - turning only	Weiler E70	1	Horizontal	44	1,800	18.0 in	118 in
Horizontal - turning only	Weiler E90	2	Horizontal	60	1,120	21.0 in	118 in
Manual, Lathe	Haas HPCL	1	Horizontal	5	3,000	1.0 in	18 in
Manual, Lathe	Haas Mini Lathe	1	Horizontal	5	6,000	9.0 in	12 in
Manual, Lathe	Hardinge HC	1	Horizontal	2	3,000	11.0 in	13 in
Manual, Lathe	Hardinge HLV-H	5	Horizontal	1	3,000	11.0 in	18 in
Manual, Lathe	Kingston HD2260	1	Horizontal	10	12,000	22.0 in	60 in
Manual, Lathe	Kingston HD2660	1	Horizontal	10	10,000	26.0 in	60 in
Manual, Lathe	Kingston LA29-3000	1	Horizontal	20	800	29.0 in	80 in
Horizontal - turning only	Haas ST-35	1	Horizontal	40	3,200	15.0 in	32.5 in
Horizontal - turning only	Hardinge OT-CNC	1	Horizontal	7.5	5,000	14.0 in	8 in
Manual, Mill	Bridgeport Kneemill	6	3	2	4,000	42 in	9 in
Manual, Mill	Devlig Jigmill	1	3	7.5	1,200	35 in	48 in

EQUIPMENT

Saws	Make & Model	# of machines	Type	HP	Throat	Work Piece Height
Saw, Vertical	Doall 2012-VH	1	Vertical	3	20	12 in
Saw, Horizontal, Programmable	Hydmech H14A	2	Horizontal	8.8	14	14 in
Saw, Horizontal, Programmable	Hydmech H18-A	1	Horizontal	10	18	18 in

Ovens	Make & Model	# of machines	Temp	width	height	depth
Mechanical Oven	Cress C601/PM3T	1	1800	8.5 in	10 in	7 in
Mechanical Oven	Grieve 323	1	400	36 in	21 in	36 in
Mechanical Oven	Grieve HT-1000	1	3kw	21.5 in	20 in	20 in
Mechanical Oven	Lindberg/Blue 300 Mechanical Oven	1	572	13 in	16 in	15 in
Mechanical Oven	Lindberg/Blue MO1450A-1	1	572	22 in	16 in	25 in
Mechanical Oven	Lindberg/Blue MO1450C	1	572	22 in	16 in	25 in
Mechanical Oven	Thermo Scientific Heratherm OMH180	1	626	18.3 in	28 in	30 in

EDMs	Make & Model	# of machines	Type	Type 2	Weight Limit	X Axis Limit	Y Axis Limit	Z Axis Limit
CNC, Plunge, 4-axis	Sodick AG80L	1	Plunge	CNC	6,600 lbs	33.46 in	20.46 in	16.54 in
CNC, Wire, 4-axis	Sodick AQ535LH	1	Wire	CNC	990 lbs	21.60 in	13.7 in	15.8 in
CNC, Plunge, 4-axis	Sodick AM3L	1	Plunge	CNC	1,210 lbs	12.00 in	8 in	10 in
CNC, Plunge, 4-axis	Sodick A35R	1	Plunge	CNC	880 lbs	23.60 in	15.74 in	10.6 in
CNC, Wire, 4-axis	Sodick EPOC 300L	1	Wire	CNC	660 lbs	13.80 in	9.9 in	6.7 in
CNC, Wire, 4-axis	Mitsubishi MV2400S	1	Wire	CNC	1,500 lbs	41.30 in	32.3 in	12 in
Manual, Plunge	Genspark 50NC	2	Plunge	Manual	450 lbs	24.00 in	16 in	10 in
Manual, Plunge	Chmer CM240	2	Plunge	Manual	660 lbs	11.80 in	6.7 in	12.5 in

EQUIPMENT

Our facility offers advanced welding, drilling, and specialized processing capabilities to meet diverse manufacturing needs. We utilize Electron Beam, MIG, and TIG welding to handle a variety of metals with precision and strength. Our deep-hole drilling, high-pressure testing, leak detection, laser etching, and 3D printing services enable us to support complex production and prototyping. This comprehensive range of capabilities ensures high-quality, versatile solutions for our customers' most demanding projects.

Welding	Make & Model	# of machines	Type 2	Weight Limit	Comments
Electron Beam Welding	CVE / RE5613	1			Materials: Nickel Based Alloys, Cobalt Based Alloys, Stainless Steel, Titanium, Aluminum, Steel, Most other metals Active Chamber Size: 30" x 24" x 24" Weld Depth Penetration .003"- 2.0" 60KV Power source"
Automatic MIG OD Stub Welder	Custom w/lincoln Electric Power	1	Semi	2,500 lbs	1" - 36" dia. Capacity
TIG Welding	Miller Syncrowave 250DX	2			Carbon Steels, Stainless Steels, Inconel, Aluminum, Titanium

Drills	Make & Model	# of machines		Comments
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Gun Drill	Unisig USK25	1		Min Diameter & Max Depth (.093" x 30") & (1.0" x 72")
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Special in house Processing	TYPE	Scope	Comments
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Ambient Pressure Testing	External Testing	30K PSI @ Ambient Temp	Chamber Size 7" OD x 5', Facility prepped for 17' long chamber if needed.
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Ambient Pressure Testing	Internal Testing w/ Custom Fittings	60K PSI @ Ambient Temp	Any Size
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Helium Mass Spectrometer Leak Testing	Alcatel ASM 180TD+	Min detectable leak: $\leq 5 \times 10^{-10}$ mbar l/s	
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Non-Destructive Testing	LPI	Level 2	
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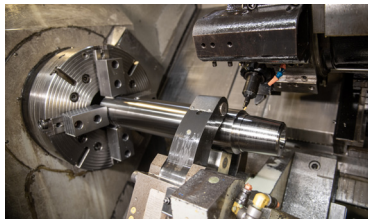
Programable Laser Etching and Marking	Beamer Laser	50 watt	Direct part marking for tracking and traceability, serialization & 2D codes. Plastics, aluminum and steels. Rotary indexer for round parts.
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3D Printing	22IDEX V3	Materials: 400°C polymers to 160°C polymers	Net Build Volume: 13.75" x 13.75" x 17.675"
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SPECIAL EQUIPMENT / SOFTWARE

Our facility is equipped with specialized inspection equipment and operational support software to ensure precision, quality, and efficiency in every project. Our inspection capabilities include advanced CMMs (Zeiss and Aberlink models), a FARO Arm for touch-based measurement, optical comparators, and Keyence optical measurement systems for high-accuracy scanning and probing. This range of tools allows for precise dimensional verification and quality control.

To support our operations, we utilize industry-leading software like SolidWorks for 3D modeling, Mastercam for CNC machining, and Vericut for machining simulation. Our production and cost management are streamlined with MicroEstimator, JD Edwards ERP, and CRP scheduling software, enabling efficient project planning and execution.



Specialized Inspection Equipment	Make & Model	# of machines	Type 1	Type 2	X	Y	Z	Comment
CMM	Zeiss Contura G2	1	Scanning	Auto	40in	48in	24in	
CMM	Zeiss Contura G3	1	Scanning	Auto	35in	63in	31in	
CMM	Aberlink Zenith 3	1	Scanning	Auto	39in	78in	31in	
FARO Arm	FaroArm	1	touch	touch	36in	36in	36in	.002 volumetric
Optical comparator w/Digital readout		4						0.0001 Resolution
Optical measurement system w/touch probe	Keyence IM-8030T	1	Scanning	auto	12in	8in		

Operational Support Software	TYPE	Version
Solid Works	CAD (3D Modeling Software)	Latest (Supported w/Maintenance Contract)
Master Cam	CAM (Computer-aided Machining)	Latest (Supported w/Maintenance Contract)
Vericut	CNC Machining Simulation Software	Latest (Supported w/Maintenance Contract)
MicroEstimator	Cost Estimating Software	
JD Edwards	ERP	9
Production Scheduling	CRP	