



M&R Precision Machining, Inc.

Providing High Precision Machined Products to the Aerospace Industry

Our Technical Capabilities

Experience the Difference...

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Experience the Difference...

M&R Precision Machining, Inc.

"Providing High Precision Machined Products to the Aerospace Industry"

Our Capabilities:

- > Prototype and both low and high volume production quantities
- > CNC 5-axis milling up to 20"x13.5"
- > CNC 4-axis vertical milling
- > CNC 4-axis horizontal milling up to 53" x 55"
- > CNC 3-axis vertical milling up to 29" x 80"
- > CNC turning up to 29" diameter
- > CNC turning with full Y-axis milling capabilities
- > Build-to-print mechanical assembly & testing
- > Materials ranging from Aluminum to Super Alloys
- > UniPoint Quality Management System (QMS)
- > JobBoss Project management support
- > SolidWorks computer aided design software
- > Concurrent engineering and manufacturing support
- > MasterCam computer aided manufacturing software
- > Global sourcing of commercial and integrated components



Our Aerospace Capabilities:

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|---------------------|---------------------------|
| > Actuators | > Landing Gear Cylinders |
| > Gear Box Housings | > Cockpit Frames |
| > Manifolds | > Interior Cabin fixtures |
| > Tubes | > Other In-Demand Parts |



Major Equipment List

CNC Machines:

CNC Vertical Mills

		HP	Tools	Table Size	Max Travel X, Y, Z	Max Load
2	Matsuura MC2000V	25	40	30" x 83"	80" x 31" x 30"	2500 lbs.
1	Matsuura MC1250V	20	35	24" x 67"	50" x 24" x 24"	3300 lbs.
1	Matsuura VX-1000	15	30	47" x 23"	40" x 24" x 24"	1100 lbs.
3	Matsuura MC800VF (1 is 4th Axis Equipped)	15	30	16" x 45"	31" x 17" x 19"	1100 lbs.
1	Matsuura MC760V (4th Axis Equipped)	10	30	16" x 45"	30" x 16" x 19"	1100 lbs.
1	Matsuura RA-IF (with Pallet Changer)	7	20	15" x 24"	20" x 16" x 18"	550 lbs.
1	Matsuura RA-IIF (with Pallet Changer)	10	30	15" x 24"	23" x 16" x 18"	550 lbs.
1	Matsuura RA-IVF (with Pallet Changer)	15	20	20" x 40"	40" x 20" x 20"	2500 lbs.
1	Matsuura MC500V	7	16	15" x 34"	20" x 14" x 18"	500 lbs.
1	Hamai MC-3VS	10	16	17" x 28"	20" x 16" x 18"	1100 lbs.

CNC 5-Axis Vertical Machines

1	Matsuura MX-520	6	15	max work pc: 20" x	Ø11.5"	24" x 22" x 20"	440lbs.
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CNC 4-Axis Horizontal Mills

1	Mori Seiki NH8000 DCGII	40	120	31" x 31"	55" x 47" x 53"	6000 lbs.
1	Matsuura MC600H-45 (with Pallet Changer)	14	50	18" x 18"	24" x 18" x 19"	1100 lbs.
2	Matsuura H Plus-405 (with Pallet Changer)	30	31	18" x 18"	19.5" x 19.5" x 19.5"	1100 lbs.

CNC Lathes

				Total Swing	Max Turning Cap	Max Length
3	Nakamura TMC-15	10	8	11.8"	7.1"	9.8"
3	Doosan Lynx 220	20	12	20"	12.6"	20.7"
1	Mori Seiki SL200SMC (2 Spindle with Live Tooling & Bar Feeder)	10	12	26.7"	15.3"	12.7"
1	Mori Seiki SL-75	50	12	35.8"	29.9"	61.0"
1	Mori Seiki NL2500 (2 Spindle with Live Tooling / full Y-Axis)	25	12	29.7"	14.0"	27.7"

Other Machines:

Grinders & Abrasives

3	Surface Grinders with 12" x 24" max. capacity
5	Tool Grinders
4	Belt Sanders

Coordinate Measuring Equipment

Apache Blackhawk 8.10.6
Mitutoyo B706

Inspection Equipment

1	CMM Mitutoyo B706 w/vibration isolation and temperature compensation	Temperature-Controlled Atmosphere
	Running MCOsmos 3.3 Geometrical 3D-Measurement	Ceramic Master and Steel Gage Block Sets
1	CMM Apache Blackhawk 8.10.6	Micrometers, Calipers, Height Gages, Test Indicators
	Running MCOsmos 3.0 Geometrical 3D-Measurement	Bore Gages, +/- Pins, Thread/Plug/Ring Gages
1	Optical Comparitor, Mitutoyo PH350H	Dental Impression
1	Rockwell Hardness Tester - Testing per ASTM E-18	GageTrak 6.6 Calibration Recall System
1	Surface Tester, Mitutoyo SurfTest 211 - Testing per ASME B46.1	

Here are some more reasons why M&R is the right choice for you to partner with...

- ★ Certified for AS9100-D and ISO 9001:2015;



- ★ Centrally located and near all service vendors, ensuring your needs are met on time.

- ★ M&R Precision has the only outside sales department entirely dedicated to the Aerospace industry.....

- ★ Our new Supply Chain Department manages your orders from initial quotes to the shipments to your door.

- ★ Strong satisfaction among current Aerospace Customers gives them confidence in knowing we can get the work done.



- ★ M&R embraces a very rigorous metrics-driven culture. The company's successes are the direct results of measurable action steps. M&R constantly takes continual improvements to

- ★ M&R only uses the top tier software systems:

Unipoint for Quality - JobBOSS for ERP - Solidworks for Design - MasterCam-2018 for Manufacturing
All these software programs are rated in the top 5% for both accuracy and efficiency.

"At M&R, we are your business partner from inception to completion"