



# R&S Machining<sup>INC.</sup>

Manufacturer of Aerospace and Defense Components

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ISO9001  
CERTIFIED



Cage Code 4XK87



## CNC Equipment

### 30 - Machining Centers

	Model	Working Area (X,Y,Z)	
Okuma	MC-60VAE	60" X 24" X 28"	5-Axis Indexer
	MC-50	48" X 24" X 24"	4-Axis Indexer
	Cadet Mate	40" X 20" X 20"	3-Axis
	MB-56	40" X 20" X 20"	High Speed
	MC-4VAE	36" X 18" X 18"	3-Axis
	Genos M660-V	41" X 21.5" X 18"	3-Axis
	MU-400 VA	30" X 18" X 18"	5-Axis
	Genos M460V-5AX	30" X 18" X 18"	5-Axis with robot loading arm
	MU-500 VA	49" X 26" X 21"	5-Axis with turning capability, 20" table
	(2) MB-4000H	22" X 22" X 24.6"	Horizontal - Full 4-Axis (1) Pallet Pool with 8 pallets
	(4) MB-5000H	30" X 30" X 30"	Horizontal, 20" pallet with C-1000 Pallet System - fully automatic with 20 stations Full 4-Axis
	(2) MA-600HB	39" X 35" X 39"	Horizontal with mill turn feature Pallet Pool (1) 6 stations (1) 10 stations High torque
	(2) MU-6300V	36" X 41" X 23"	5-Axis with turning capability, 30" table and (1)6 station Pallet changer (1) 2 station pallet changer
	(2) Millac-1000VH	73" X 63" X 39"	5-Axis with dual indexing 2 pallet table 1, 10,000 RPM spindle, 1, High torque spindle
	Millac-852	80" X 34" X 34"	Supports 10,000lb work load.
Hermle	C42U	33.5" X 25" X 25"	5-Axis
Fadal	VMC4020	40" X 20" X 20"	3-Axis
	VMC15XT	30" X 20" X 15"	3-Axis
Makino	S56	40" X 20" X 20"	High Speed, 3 Axis
	T2	74" X 78" X 70"	Horizontal, 5 Axis, supports 11,022lb work load, Titanium cutting
Haas	(2) VF3	40" X 20" X 20"	4-Axis Indexer
	VF2	36" X 18" X 18"	[1] 4-Axis Indexer [1] 3-Axis

### 10 - Lathes

Okuma	LB300 SBM/500	up to Ø13.39" X 16.99"	3-Axis w/ Live Tooling
	(2) Cadet LNC8	up to Ø10" X 18"	
	Cadet L1420	up to Ø14.17" X 49"	
(2)	Genos-L400	up to Ø15.35" X 19.69"	(1) W/ EdgeTechnologies Rebel 102 SE-60" Barfeeder
Miyano	Big Bore BND-515Y2	up to Ø2.5" X 16"	Dual Spindle, Y-Axis, & Live Tooling w/ conveyor & barfeeder - 48"
Citizen	M32	up to Ø1.25"	Swiss Automatic 13-Axis - Live Tooling w/ Iemca Mini Boss 332 CNC 12' barfeeder
	L20 Type V	up to Ø13/16"	Swiss Automatic w/ Iemca Mini Boss 332 CNC 12' barfeeder
	L20 Type VII (8)	up to Ø13/16"	Swiss Automatic (7 Live Tools) w/ Iemca Mini Boss 332 CNC 12' barfeeder



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## CNC Equipment (cont.)

Model Working Area (X,Y,Z)

### EDM Wire

AGIE Agiecut Progress 19.75" X 13.75" X 16.75"

### EDM RAM

Leblond Makino EDNC43 20" X 15" X 13"  
 AGIE Roboform 30 23" X 15.8" X 15.3"

### Grinding

Okamoto 20-36EX 36" X 20" X 18" Precision Flat Grinder  
 Toyoda GE 4P-100 ID up to Ø8" X 20" Cylindrical Grinder  
 OD up to Ø10" X 40"

### Inspection

Hexagon	Global Performance Scanning 9.15.8 Silver lab CMM	35.4" X 59" X 31.5"	W/PC-DMIS CAD++ equipped with Rayco Fixturing
Hexagon	RSI 7.10.7 SF CMM	34.5" X 54.7" X 31.2"	W/PC-DMIS CAD++
Hexagon	(2) 7525 Absolute Romer Arm (1) with integrated RS4 laser scanner	Measuring Range 8.2 ft	Probing Point Repeatability: ± Probing Volumetric Accuracy: ± 0.029 mm / 0.0011 in. 0.020 mm / /0.0008 in.
Leica	AT401 Absolute Tracker	Infinite horizontal rotation: +/-360° Infinite vertical rotation: +/- 145° Typical working volume: 320m	Resolution: 0.1 µm Accuracy (MPe): +/- 10 µm (+/- 0.00039") Repeatability (MPe): +/- 5 µm (+/- 0.0002")

## Engineering Software

