



## Precision Machining Facility List

### CNC MILLING

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1 HAAS VF-4 CNC Vertical Machining Center  
4 Axis, 40 Tool, 50" x 20" x 25" Travel  
3 Trak DPM 3 Axis CNC Bed Mill  
1 HAAS VF-4 CNC VVertical Machining Center  
5 Axis, 40 Tool, 50" x 20" x 25" Travel  
3 Matsuura MC-800 VGII Vertical CNC Machining Center  
31" X 20" X 20" Travel  
1 Matsuura MC-1000 Vertical CNC Machining Center  
2000 Supermax FV-56A 15 Hp High Speed Drill/Tap/  
Milling Machine  
16" x 27" Table  
10000 RPM 20 Tools CAT 40 Taper  
ABB IRB 140/0.8/5 Material Handling Robot with  
Vision System  
4 1000 Matsuura Single Spindle 4 Axis - 21"x48"  
5 760 Matsuura Single Spindle 4 Axis - 16"x44"  
9 760 Matsuura Twin Spindle 4 Axis - 16"x44"  
1 Acroloc Special - 120"x16"x18"  
3 CNC Bridgeports-Prototrak - 38"x 14"x16"  
3 Robo Drills  
1 Prototrak LPM  
1 Doosan VMC - 21"x 41"

### MILLING

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4 Bridgeport with Proto-Trak Axis CNC  
1 Supermax with Proto-Trak 2 Axis CNC  
3 Bridgeport Millers with Accurite II Readouts & Power Feeds  
1 Alliant Millers with Accurite II Readouts & Power Feeds  
2 Tax SMX 2 Axis CNC Knee Mill  
2 NO. 2 Moore Jig Bore  
1 NO. 1 Moore Jig Bore

### CNC TURNING

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1 Femco Durgo CNC Turning Center 2" Bar Capacity  
23 Tool Pos, 8" Max. Turn Dia.  
2 Nakamura-Tome SC-300 CNC Turning Center  
2.80" Bar Capacity, 22.05" Max Swing, 12 Tool Pos.,  
13.78" Max Turn Dia  
1 Trax TRL 1850 CSS CNC Lathe  
1 Trax TRL 2480 CSS CNC Lathe  
1 Trax TRL 1845 SX CNC Lathe  
1 xOkuma & Howa ACT-3, 20hp w/programmable  
tailstock- 8.26: Dia. x 33.62"  
1 Nakamura Tome TMC-15 w/backworking spindlebar  
feeder - 2.28" Dia. thru spindle  
1 Mazak 20hp - 11.81" Dia. x 9"  
1 Super Max TC-26 - 2 1/2 Dia. thru spindle  
1 Doosan Lynx 220 - 3" Dia. thru spindle  
1 Prototrak 1840 - 2.36 Dia. thru spindle  
1 Okuma Heritage CNC Lathe  
1 CNC Trumpf Punch & Nibbling Machine

### GRINDING

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2 No. 2 Moore Jig Grinder  
1 Harig 612 Surface Grinder  
3 Mitsui 612 Surface Grinders  
1 Okamoto ACC 8-20 ST Surface Grinder  
1 Heald Model 237A Universal I.D. Grinder  
1 Kellenberger 1000V I.D./O.D. Grinder 10" x 40" Capacity  
1 Kellenberger 600U I.D./O.D. Grinder 10" x 30" Capacity

### WIRE EDM

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2 Agie Progress II Submersible High Speed Wire EDM  
Maximum Cutting Dimensions (X x Y x Z) 350 mm x 250  
mm x 256 mm  
1 Wire EDM Fanuc Robocut  
1 Wire EDM Mitsubishi 90 HA

## **QUALITY CONTROL/INSPECTION**

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Complies with MIL-I-45208

2 Mitutoyo Programmable CMM Model 574

20" x 28" x 16" (Work Surface 46" x 26")

1 Optical Comparator - Mitutoyo Model PH3500

Full Line of Inspection Equip. Including Air Gages, Cadillac Gages, Height Masters, Rockwell Hardness Tester