



# Equipment List

## Lathe, Mill, Weld, Gear Cutting, Misc Equipment

(2) Enshu 650V  
3 Axis Vertical Milling Center  
Fanuc 15M Control  
Table / Pallet Size: 78.7 x 25.6"  
Travel (x,y,z) 63" x 26.6" x 26"

(3) Enshu S400  
3 Axis Vertical Milling Center  
Yasnac J50 Control  
Table / Pallet Size: 35.4 x 17.7"  
Travel (x,y,z) 25.6" x 17.7" x 18.1"

(4) Enshu 630 H  
4 Axis Horizontal Milling Center  
Fanuc 16-MA Control  
Table / Pallet Size: 24.8 x 24.8"  
Travel (x,y,z) 35.4" x 31.49" x 29.5"

(4) Enshu 650 VX  
3 Axis Vertical Milling Center  
YASNAC I80M Control  
Table / Pallet Size: 78.7 x 25.6"  
Travel (x,y,z) 62" x 25.6" x 26"

(6) Enshu EV 650  
3 Axis Vertical Milling Center  
Fanuc 16M Control  
Table / Pallet Size: 79 x 26"  
Travel (x,y,z) 63" x 25.6" x 25.9"

(2) Enshu HMC 40  
3 Axis Horizontal Milling Center  
Fanuc OM Control  
Table / Pallet Size: 13.7 13.7"  
Travel (x,y,z) 22" x 15.5" x 18"

(4) Enshu JE 40  
YASNAC E40 Control  
4 Axis Horizontal Milling Center  
Table / Pallet Size: 15.7 x 15.7"  
Travel (x,y,z) 15.7" x 19.7" x 15.7"

(4) Enshu JE 60  
Yasnac i80 Control  
4 Axis Horizontal Milling Center  
Table / Pallet Size: 15.7 x 15.7"  
Travel (x,y,z) 23.6" x 23.6" x 24.8"

(1) Enshu JE80G  
Fanuc 18iM Control  
4 Axis Horizontal Milling Center  
Table / Pallet Size: 19.69 x 19.69"  
Travel (x,y,z) 31.5" x 31.5" x 32.7"

(1) Fadal VMC 4020  
3 Axis Vertical Milling Center  
FADAL 88HS Control  
Table / Pallet Size: 48 x 20"  
Travel (x,y,z) 40" x 20" x 20"

(3) Fadal VMC 6030 HT  
3 Axis Vertical Milling Center  
Fadal CNC 32MP Control  
Table / Pallet Size: 60 x 30"  
Travel (x,y,z) 30" x 30" x 21"

(1) Mori MH 633  
4 Axis Horizontal Milling Center  
MSC-502 Control  
Table / Pallet Size: 24.8 x 24.8"  
Travel (x,y,z) 39.4" x 33.5" x 36.2"

(1) Mori MV-40 M  
3 Axis Vertical Milling Center  
MSC 518 Control  
Table / Pallet Size: 35.4 x 17.7"  
Travel (x,y,z) 31.5" x 16.14" x 20.08"

(4) Mori NH 4000 DCG  
4 Axis Horizontal Milling Center  
Mori-Seiki MG-501 Control  
Table / Pallet Size: 24.8 x 24.9"  
Travel (x,y,z) 22" x 22" x 24.8"

(1) Toyoda FA1050  
4 Axis Horizontal Milling Center  
GE Fanuc 31i Control  
Table / Pallet Size: 72.8 x 61"  
Travel (x,y,z) 63" x 55.1" x 45.2"

(3) Fuji ANW-41  
2 Axis Robotic Load Lathe  
Fanuc 18iT Control  
Max Turn Diameter 10.0 / 11.8"  
Z Axis Travel 17.91"

(5) Mori NL 3000/700  
2 Axis Lathe (2) w/ Live Spindle  
MSX-850III Control  
Max Turn Diameter 12.0 / 16.5"  
Z Axis Travel 32.2"

(1) Mori SL 403/800  
2 Axis Lathe  
MSC 501 Control  
Max Turn Diameter 18.0 / 24.4"  
Z Axis Travel 39.2"

(1) Mori SL 403B/800  
2 Axis Lathe  
MSC 501 Control  
Max Turn Diameter 18.0 / 24.4"  
Z Axis Travel 39.2"

(2) Mori SL 65/A Lathe  
2 Axis Lathe  
Fanuc 10T Control  
Max Turn Diameter 15.0 / 32.2"  
Z Axis Travel 33.9"

(3) Mori SL 75/A Lathe  
2 Axis Lathe  
MF-T4 Control  
Max Turn Diameter 15.0 / 34.6"  
Z Axis Travel 61"

(1) Mori SL-603B Lathe  
2 Axis Lathe  
Fanuc Control  
Max Turn Diameter 18.0 / 35.4"  
Z Axis Travel 124"

(1) Mori SL-75B Lathe  
2 Axis Lathe  
Fanuc 18T Control  
Max Turn Diameter 15.0 / 29.9"  
Z Axis Travel 61"

(3) Mori ZL-250/600  
Twin Turret 4 Axis Lathe  
MSC 501 Control  
Max Turn Diameter 10.0 / 10.2"  
Z Axis Travel 25.6"

(2) Mori ZL-35B/750 Lathe  
2 Axis Lathe  
MSC 518 Control  
Max Turn Diameter 12.0 / 15.3"  
Z Axis Travel 33.7"

(1) Mori ZT 2500 Y Lathe  
2 Axis Lathe w / Live Spindle  
MSX 501III Control  
Max Turn Diameter 12.6 / 14.6"  
Z Axis Travel 37.7"

(1) OM Neoc-16EX Lathe  
3 Axis Lathe w / Live Spindle  
Fanuc OiT Control  
Max Turn Diameter 59 / 78.75  
Z Axis Travel 39.4"

(2) Honor Seiki VL-66A (# L-22)  
Vertical Lathe  
Fanuc Oi-T control  
Max Turn Dia: 29.13"  
Max Turning Height: 25.59"  
Number of tools: 12  
Spindle Speed: 2000 RPM  
Spindle Horsepower: 24 Hp

(2) Hwacheon VT-550R (# L-23)  
Vertical Lathe  
Fanuc Oi-T control  
Max Turn Dia: 25.59"  
Max Turn Height: 27.56"  
Number of tools: 12  
Spindle Speed: 1500 RPM  
Spindle Horsepower: 23.5 Hp

(1) Samsung SL65-1000  
Fanuc Oi-TD Control  
Max Cutting Dia: 35.43"  
Max Cutting Length 39.37"  
Number of Tools: 12  
Spindle Speed: 1500 RPM  
Spindle Horsepower: 60 Hp

(2) Red Ring GCX-587 Gear Shaver  
(1) Red Ring GCU-2804 Gear Shaver  
(1) Fellows No. 12 Gear Shaper  
(3) Fellows 20-4 Gear Shaper  
(1) Colonial Broaching Machine

(1) Barber-Colman Standard Hobbing Machine  
(2) Mitsubishi GD30CNC Hobber  
(1) Nomura Horizontal Boring Mill

(1) Toyoda 45M Cylindrical Grinder  
(1) Dayton Bench Grinder  
(1) Cincinnati Standard Grinder  
(1) Springfield 2 1/2 CR Grinder

(3) Millermatic 250 MIG Welder  
(3) Miller Delta 452 MIG Welder  
(1) Lincoln Precision 275 TIG Welder  
(1) Daihen OTC Digital Interface DP400  
(1) Daihen OTC Almega AX-H3 Welding Robot  
(1) Meta-Lax Stress Relief Machine

(1) Engis 8-Spindle Hone  
(1) Sunnen VSS-64 Multi Spindle Hone  
(1) Sunnen SV 1005 CNC Hone  
(1) XLO Micromatic Vertical Hone

Assembly and Test Applications:  
(1) Pressure Test Unit  
(1) Leak and Flow Test Unit

(1) Dürr Universal 81W Washer  
(1) Marr BT-35700 Washer  
(1) Marr BT-35723 Washer  
(1) Marr BT-35742 Washer  
(1) Grapar Dunnage Cleaning System  
(2) Finishing Machine Industrial Washer  
(1) FLP3648MF JRI Ind Parts Washer

(1) DoAll C-305A Production Power Saw  
(1) DoAll C-1216A Power Saw  
(1) Delta Invicta 34790A Table Saw  
(1) Powermatic CS-18 Up Cut Saw

Non-Destructive Test Equipment:  
(1) Magnaflux AD 945 Unit

Inspection Equipment:  
(1) Mitutoyo Crysta-Apex C574 High Performance  
(x,y,z) 505mm, 705mm, 405mm  
(1) Mitutoyo CRT-A C9168  
(x,y,z) 905mm, 1605mm, 805mm  
(1) Browne & Sharp 12.22.10 Global Image  
(x,y,z) 1200mm, 2200mm, 1000mm  
(1) Tokyo Technical TTI-450E CNC Gear Measuring System  
(1) Mitutoyo Roundtest Model RA-2100

Sandblasting Equipment:  
(1) 2.5x3 Universal Abrasive Blast Cabinet  
(1) 4x2 Trinco Model 48/300 Blast Cabinet  
(1) 8x12 Abrasive Blast Room

(1) Design Fabrication Dynamometer  
Customer Specific Applications 30'x18' Room

Balancer Equipment:  
(1) Stewart-Warner Model 2002 Two-plane  
(1) Balance Engineering 17-6000 Verticle  
(1) Balancemaster VS-250 Vertical

Paint Line Information:  
(2) CARC Lines  
Total Paint Line Length: 1700'  
Floor Space: 200' x 100'  
MAX Individual Load Weight: 3,000 lbs  
Epoxy, polyurethane, and enamel coatings  
(6) Global Finishing Solutions Spray Booth  
(3) Wisconsin ATR Seal Trolley Oven

Misc. Equipment:  
(1) Zoller Venturion Tool Presetter  
(1) Kremlin Rexson Electronic Dosing Unit  
(1) Singleton Corporation Salt Sprayer Unit  
(2) Top Coat 2 Valve Mixing Unit  
(1) Spin Tester Unit  
(1) Dual Spindle Heat Treat Machine  
Induction Hardening Room 81.75" x 79"  
Quench & Temper of Most Alloy Steels  
Capable of Hardening Parts up to 40"  
MAX Individual Load Weight: 100 lbs  
(1) Motion Pac International Telesis Park Marking Unit  
(1) Charmilles Robofil 440SL  
Travel 13.75" x 21.50" x 15.75"  
Max Thickness 15.75"  
Max Workpiece 3300 lbs.  
Submergeable to 16"  
Max Taper 30 deg. in 15.75"