

# Jet Machine & Manufacturing Equipment List

Model	X/Y/Z Travel	Table Size	Spindle Speed (Taper)
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## 6-Axis Horizontal

SHW Unispeed 6			
1	118"x51"x51"	63"x118"	6,000 RPM
2	118"x51"x51"	63"x118"	6,000 RPM

## 5-Axis Vertical

Mazak Vortex 1400/160			
1	165.3" x 55.1 " x 24"	157.4" x 49.2"	13,000 RPM (HKS100A)
2	165.3" x 55.1 " x 24"	157.4" x 49.2"	13,000 RPM (HKS100A)
3	165.3" x 55.1 " x 24"	157.4" x 49.2"	13,000 RPM (HKS100A)

<b>Mazak Variaxis 730-5X (w/ 2 pallet changer)</b>	28.74" x 33.46" x 22.05	24.8" x 13.69"	10,000 RPM (CAT 50)
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Versatech V-80			
1	157.48" x 98.43" x 29.53"	62.990" x 118.110"	4,000 RPM
2	157.48" x 98.43" x 29.53"	62.990" x 118.110"	4,000 RPM

## 4-Axis Horizontal

Mazak HCN 8800-II Palletech Cell			
1	55.12" x 47.24" x 52.17"	31.5" x 31.5"	10,000 RPM (CAT-50)
2	55.12" x 47.24" x 52.17"	31.5" x 31.5"	10,000 RPM (CAT-50)
3	55.12" x 47.24" x 52.17"	31.5" x 31.5"	10,000 RPM (CAT-50)

Mazak FH-8800 Pallet-Tech Cell			
1	51.1" x 43.3" x 39.3"	31.5" x 31.5"	10,000 RPM (CAT-50)
2	51.1" x 43.3" x 39.3"	31.5" x 31.5"	10,000 RPM (CAT-50)

<b>Mazak FH-10800 (w/ 2 pallet changer)</b>	66.93" x 55.12" x 55.12"	39.37" x 39.37"	7,000 RPM (CAT-50)
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<b>Mazak HCN-8800 (w/ 2 pallet changer)</b>	55.12" x 47.24" x 52.17"	31.5" x 31.5"	10,000 RPM (CAT-50)
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<b>Mazak FH-8800 (w/ 2 pallet changer)</b>	51.1" x 43.3" x 39.3"	31.5" x 31.5"	10,000 RPM (CAT-50)
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<b>Mazak HCN-6000 (w/ 2 pallet changer)</b>	31.5" x 31.5" x 31.5"	19.7" x 19.7"	10,000 RPM (CAT-50)
<b>Mazak FH-6800 (w/ 2 pallet changer)</b>	41.3" x 31.5" x 34.6"	24.8" x 24.8"	10,000 RPM (CAT-50)
<b>Mazak H-630 (w/ 6 pallet changer)</b>	39.3" x 31.4" x 29.5"	24.8" x 24.8"	4,000 RPM (CAT-50)
<b>Mazak H-500/50 (w/ 2 pallet changer)</b>	28" x 25.6" x 25.6"	19.7" x 19.7"	4,000 RPM (CAT-50)
<b>Toshiba BP-150-R22</b>	160"x120"x60"	71"x87"	2,500 RPM

Model	X/Y/Z Travel	Table Size	Spindle Speed (Taper)
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### **Horizontal Boring Mills**

<b>Doosan DBC 110</b>			
1	98"x78"x59"	55.1"x70.9"	4,000 RPM (CAT-50)
2	98"x78"x59"	55.1"x70.9"	4,000 RPM (CAT-50)

<b>DeVlieg Jig Mill</b>			
1	48"x36"x16"	48"X36"	1,200 RPM (CAT-40)
2	60"x48"x16"	60"x48"	1,450 RPM (CAT-50)
3	72"x48"x16"	72"x48"	1,660 RPM (CAT-40)
4	60"x48"x16"	60"x48"	1,450 RPM (CAT-50)
5	72"x48"x16"	72"x48"	1,450 RPM (CAT-50)

### **3-Axis Vertical**

<b>Northwood NW-510CS (4 Spindle Router)</b>	113" x 128" x 14"	60" x 120" (2 tables)	18,000 RPM (HSK-63)
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<b>Mazak VCN-700D II</b>			
1	60.24" x 27.56" x 25.59"	68.50" x 27.60"	6,000 RPM (CAT-50)
2	60.24" x 27.56" x 25.59"	68.50" x 27.60"	6,000 RPM (CAT-50)

<b>Mazak VTC-300C</b>			
1	65" x 30" x 26"	79" x 30"	12,000 RPM (CAT-40)
2	65" x 30" x 26"	79" x 30"	12,000 RPM (CAT-40)

<b>Mazak VCN-510C</b>			
<i>Jet Machine and Mfg</i>	41.3" x 20" x 26"	51.1" x 21.6"	12,000 RPM (CAT-40)

2	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
3	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
4	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
5	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
6	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
7	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
8	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
9	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
10	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
11	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)
12	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)

Model	X/Y/Z Travel	Table Size	Spindle Speed (Taper)
<b>Mazak VCN-510C-2 Pallet-Changer</b>	41.3" x 20" x 20"	51.1" x 21.6"	12,000 RPM (CAT-40)

<b>Mazak VTC-250/50</b>	69.3" x 25" x 25.9"	82.7" x 25"	6,000 RPM(CAT-50)
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<b>Mazak VTC 30C</b>	65.35" x 29.92" x 26"	78.74" x 29.92"	4,000 RPM (CAT-40)
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<b>Mazak AJV-35/60 (2 pallet changer)</b>	59.05" x 31.49" x 20"	29.52" x 68.5"	3,200 RPM (CAT-50)
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<b>Cincinnati FTV-840/3700</b>			
1	146" x 32" x 31"	169" x 32"	10,000 RPM (CAT-40)
2	146" x 32" x 31"	169" x 32"	10,000 RPM (CAT-40)

<b>Prototrak K3- Vertical Mill</b>			
1	33"x14"	36"x12"	3,000 RPM (R8)
2	33"x14"	36"x12"	3,000 RPM (R8)
3	33"x14"	36"x12"	3,000 RPM (R8)

Model	Length Capacity	Diameter Capacity	Spindle Speed (Taper)
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## **Turning**

<b>Mazak Slant Turn Nexus 550M</b>	80.47"	35.83" (21.000" Chuck)	1,000 RPM (4,000 RPM Milling)
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<b>Mazak Quick Turn Nexus 450MY</b>	82.830"	23.000" (18.000" Chuck)	2000 RPM (4,000 RPM Milling)
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<b>Mazak Multiplex 6200Y (Duel Spindle/Turret w/ Gantry Loading/Unloading Robot System)</b>	7.090"	12.600" (8.000" Chuck)	5,000 RPM (4,500 RPM Milling)
<b>Mazak QTN-Nexus 300</b>	83.500"	16.540" (10" Chuck)	4000 RPM
<b>Mazak QT-Nexus 150 (Bar Feed)</b>	20.470"	12.990" (8" Chuck)	5000 RPM
<b>Mazak QT-30M</b>	39.75"	12.6" (10" Chuck)	3300 RPM
<b>Mazak SQT-15M (Bar Feed)</b>	20.78"	11.75" (8.00" Chuck)	4000 RPM
<b>Mazak Rex</b>		N/A	1,200 RPM
<b>Mazak Rex</b>		N/A	1,500 RPM
<b>Mazak Nexus QT-350</b>			
1	60.712"	16.540" (12.000" Chuck)	3,300 RPM
2	60.712"	16.540" (12.000" Chuck)	3,300 RPM
3	60.712"	16.540" (12.000" Chuck)	3,300 RPM

<b>Model</b>	<b>X/Y/Z Travel</b>	<b>Table Size</b>	<b>Spindle Speed (Taper)</b>
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## **Grinding**

<b>Walters HMC-600 Tool and Cutter Grinder</b>			
1	26" x 19.3" x12.6"	N/A	9,500
2	26" x 19.3" x12.6"	N/A	9,500
3	26" x 19.3" x12.6"	N/A	9,500
<b>Walters HMC-500 Tool and Cutter Grinder</b>	26" x 19.3" x12.6"	N/A	9,500
<b>GER RHC-450 OD/ID</b>	10" x 21"	N/A	1,900 RPM
<b>Thompson Surface Grinder</b>	40" x 10" x 10"	40" x 10" x 10"	2,000 RPM

## **Welding**

<b>OTC DP400 Robotic Welder GMAW (1 machine)</b>	N/A	N/A	N/A
<b>Miller Dynasty 350 GTAW (12 machines)</b>	N/A	N/A	N/A
<b>Miller Dynasty 700 GTAW (3 machines)</b>	N/A	N/A	N/A
<b>Miller DeltaWeld 452 GMAW (5 machines)</b>	N/A	N/A	N/A

Miller Deltaweld 651 GMAW (1 machine)	N/A	N/A	N/A
Millermatic 350P GMAW (3 machines)	N/A	N/A	N/A

## Inspection

Faro Arm 7-Axis	192" dia.	N/A	N/A
Faro Laser Tracker	360 foot dia.	N/A	N/A
Trimek Spark 10.07.07	39.37" x 27.6" x 27.6"	69.3" x 34.92" x 34"	N/A
Virtek Laser QC	48" x 48" x 1"	48" x 48" x 1"	N/A
Walter Helicheck	6" x 12"	N/A	N/A
Trimos V600	24" height	N/A	N/A
Trimos Vertical 3	24" height	N/A	N/A

Model	Bending Capacity	Max Tonage at full Speed	Standard Stroke Length
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## Forming

Cincinnati Inc. 500PF10 Press Brake	5/8" x 13' over 6' Vee	296	12"
Davi MCB3080 4 Roll Plate Roll Machine	5/8"- 4" or more Thickness	6.500 Tons of Bending power	N/A

Model	Table Size	Watage	Spindle Speed (Taper)
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## Laser

Mazak Optiplex 3015	60.039" x 120.078"	4,000 Watts	N/A
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**Control Type**


Fanuc Series 31i - Model A5
Fanuc Series 31i - Model A5
Fanuc Series 31i - Model A5

Mazatrol Matrix
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Mazatrol Matrix
Mazatrol Matrix

Mazatrol 640
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Mazatrol Matrix
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Mazatrol 640
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Machine and Mfg

Mazatrol 640

Mazatrol 640

Mazatrol M32

Mazatrol M32

**Control Type**

Fanuc Series 31i

Fanuc Series 31i

Prototrack Readout

Prototrack Readout

Prototrack Readout

Prototrack Readout

Prototrack Readout

Fanuc Series 160i-MB

Mazatrol Matrix Nexus

Mazatrol Matrix Nexus

Mazatrol 640

Mazatrol 640

Mazatrol 640 Mfg

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<b>Control Type</b>
Mazatrol Matrix

Mazatrol 640
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Mazatrol M-Plus
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Mazatrol M32
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Fanuc Series 18i-MB
Fanuc Series 18i-MB

Prototrack Readout
Prototrack Readout
Prototrack Readout

<b>Control Type</b>
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Mazatrol Matrix Nexus
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Mazatrol Matrix Nexus
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Mazatrol Matrix 2

Mazatrol 640

Mazatrol Matrix

Mazatrol T-Plus

Mazatrol T-32-3

Manual

Manual

Mazatrol

Mazatrol

Mazatrol

**Control Type**

Andron

Andron

Andron

Andron

Manual

Manual

N/A

N/A

N/A

Jet Machine and Mfg

N/A
N/A

N/A
N/A
N/A
N/A
N/A
N/A
N/A

**Throat Clearance**

14"
N/A

**Control Type**

Flying Optics
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