

# A TO Z MACHINE COMPANY, INC

## FACILITY LIST

### **CNC VERTICAL MACHINING CENTERS:**

- AWEA LP4025\* 98.4" Y Travel \* 157.5" X Travel \* 30" Z Travel \* 39.4" Spindle Nose to Table  
106.3" between columns \* 200.0" overall length \* 6000 RPM \* 50 Taper
- AWEA VP3012\* 47.2" Y Travel \* 118.1" X Travel \* 30" Z Travel \* 39.4" Spindle Nose to Table  
51.81" between columns \* 6000 RPM \* 50 Taper
- AWEA VP2012HD\* 47.2" Y Travel \* 78.7" X Travel \* 30" Z Travel \* 37.8" Spindle Nose to Table  
51.81" between columns \* 6000 RPM \* 50 Taper
- Mazak VCN 530C 40 Taper \* 41.31" x 20.88" Travel \* 12,000 RPM
- (3) Mazak 510C 40 Taper \* 20" x 40" Table \* 12,000 RPM \* full 4<sup>th</sup> Axis
- Mazak 510C 40 Taper \* 20" x 40" Table \* 12,000 RPM \* full 4<sup>th</sup> Axis \* Pallet changer
- Mazak V-655 \* 50 Taper Spindle \* 25" x 88" Table \* 25 hp \* 26" Vertical Travel
- Mazak VTC-16B \* 16" x 57.5" Table \* M-Plus Control \* 24 Tool Changer
- OKK VM5III \* 50 Taper \* 40.0" X Travel \* 20.0" Y Travel \* 12000 RPM
- OKK VM7 \* 50 Taper \* 8,000 RPM \* 60" x 29" Table \* 26" Z Travel
- OKK VM7III \* 50 Taper \* 13,000 RPM \* 60" x 29" Table \* 26" Z Travel
- Doosan DMV 6030 \* 50 Taper \* 60" X Travel \* 30" Y Travel \* 24.6" Z Travel \* Full 4<sup>th</sup> Axis
- Twin Horn \* 40 Taper \* 16" x 32" Table \* 8,000 RPM \* 10 hp
- Leadwell VMC25 \* 16" x 33" Table \* 10 hp \* 20 Tool Changer

### **CNC HORIZONTAL BORING BAR:**

- Kuraki AKB-13 \* 118.11" X Travel \* 78.74" Y Travel \* 62.99" Z Travel \* Big Plus 50 Taper  
70.87" x 78.74" Table Size \* 26,400 lbs Table Load Capacity \* 40 hp
- (2) Kuraki KBT-11Z \* 98.42" X Travel \* 70.86" Y Travel \* 47.24" Z Travel \* Big Plus 50 Taper  
55.11" x 68.89" Table Size \* 16,500 lbs Table Load Capacity \* 30 hp
- Fermat WFT-13 157.48" X Travel \* 98.43" Y Travel \* 66.93" Z Travel \*  
28.74" W Travel \* 78.74" x 94.48" Table Size \* 40,000 lbs. Table Load Capacity \* 37 hp

### **CNC HORIZONTAL MACHINING CENTERS:**

- (2) OKK HM600 \* 50 Taper \* 24.8 Pallets \* 12,000 RPM \* Rapid 3,000 IPM \* 40 hp \* Full 4<sup>th</sup> axis \* 60 ATC
- OKK HM600 \* 50 Taper \* 24.8 Pallets \* 12,000 RPM \* Rapid 3,000 IPM \* 40 hp
- OKK HM800 \* Big Plus 50 Taper \* 31.5 Pallets \* 12,000 RPM \* 2,645 lb Workpiece Capacity \* Full 4<sup>th</sup> axis
- OKK HM6300S \* Big Plus 50 Taper \* 24.8" Pallets \* 12,000 RPM \* Full 4<sup>th</sup> axis \* 50 hp \* 60 ATC
- Mazak HCN-8800 \* 10,000 RPM \* 31.5" Pallets \* 60 ATC \* Cat 50 Taper \* 50 hp \* Rapid 2,362 IPM
- Mazak HCN-10800 \* 10,000 RPM \* 39.4" Pallets \* 120 ATC \* Cat 50 Taper \* 50 hp \* Rapid 2,362 IPM
- (2) Mazak FH-6800 \* 10,000 RPM \* 24.8" Pallets \* 80 ATC \* Cat 50 Taper

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- Mazak FH-680 \* 24.8" Pallets \* 41.3" x axis \* Cat 50 Taper Spindle \* 10000 RPM \* Full 4<sup>th</sup> axis
- Mazak FH-4800 \* 15.75" Pallets \* 12,000 RPM \* 40 ATC
- Doosan HP6300 \* 50 Taper \* 7 Pallet changer \* (11) 24.8" Sq. pallets \* 39.4" X Travel  
40 hp\* 10,000 RPM

**CNC VERTICAL LATHES:**

- Toshiba TUE-15 \* 59" Dia Table \* 71" Swing \* 59" Cut Height \* 12 Tool Changer

**CNC HORIZONTAL LATHES:**

- Doosan Puma 700L \* 32" Chuck \* 10" to 31.5" Steady Rest \* 35" Max turn Dia. \*  
126.0" Center to Center \* 60 hp
- Doosan Puma 700XL \* 32" Chuck \* 6.5" to 25.5" Pass Thru Steady Rest \* 35" Max Turn Dia  
200" Center to Center 60 hp
- Puma 400 \* 30.3" Swing Over Bed \* 23.2" Swing Over Saddle \* 22.4" Max Turning Dia \* 82.4" Max  
Turning Length \* 50 hp \* 18" Steady Rest
- Puma 400 \* 30.3" Swing Over Bed \* 23.2" Swing Over Saddle \* 22.4" Max  
Turning Dia \* 44" Max Turning Length \* 50 hp \* 18" Steady Rest
- Super Max \* 15.0" Chuck \* 2,500 RPM \* 22" x 23" Turning
- Puma 300 \* 30 hp \* 12" Chuck \* 28" Center to Center \* 20" Swing
- Puma 280 \* 30 hp \* 12" Chuck \* 28" Center to Center \* 20" Swing

**CNC LIVE TOOLING LATHES:**

- Doosan Puma MX3100 \* 15" Chuck \* 40 hp turning spindle \* 30 hp milling spindle \* 30" OD Turning  
60.6" Center to Center \* 12000 RPM C6 Capto milling spindle \* 40 tool ATC \* 39.4" swing \* 4" bar capacity
- Doosan Puma SMX3100 \* 12" Chuck \* 40 hp turning spindle \* 30 hp milling spindle \* 26" OD Turning  
60.6" Center to Center \* 12000 RPM C6 Capto milling spindle \* 40 tool ATC \* 3.19" bar capacity
- Puma 300 \* 12" Main Spindle Chuck \* 6" Sub-Spindle Chuck \* 4" Bar Feed Capacity  
X & Z Axis Live Tooling \* Parts catcher
- Doosan Puma 3100 XLY \* 12" Chuck 40 hp 16.5 OD Turning x 82" Center to Center Live tooling  
With 5.12" Y Axis Travel \* 7.5 hp Live tool \* 2.5" to 20" Steady Rest
- Doosan Puma 3100 LY \* 12" Chuck 40 hp 16.5 OD Turning x 51" Center to Center Live tooling  
With 5.12" Y Axis Travel \* 7.5 hp Live tool \* .375" to 7.25" Steady Rest
- Doosan Puma 3100 ULY \* 15" Chuck 40 hp 16.5 OD Turning x 122.5" Center to Center Live tooling  
With 5.12" Y Axis Travel \* 7.5 hp Live tool \* .5" to 16.5" Steady Rest

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**SAWING:**

- Hyd-Mech S23A \* Automatic Shuttle \* Overhead Bundling \* 16"H x 20"W Capacity
- Hyd-Mech H-22A \* Heavy Duty Production Saw 22" x 22" Rectangle \* 22" Diameter Capacity
- Hyd-Mech S23 \* Automatic Shuttle \* Overhead Bundling \* 13" x 18" Capacity

**GUN DRILLING:**

- Dadson Gun Drill Model #DS2120.CM \* 2.5" Max Diameter \* 120" Z Travel

**QUALITY / INSPECTION:**

- Hexagon Ghibli 26-15-14 CMM \* 67" x 143" Table \* 360° Renishaw scanning Probe \* PC DMIS Software
- Brown & Sharpe Excel CMM \* 36" x 48" Table \* 360° Renishaw Probe \* PC DMIS Software
- Brown & Sharpe Mistral CMM \* 30" x 44" Table \* 360° Renishaw Probe \* PC DMIS Software
- Granite Surface Plate \* 4' X 8' Table
- Infinite Series Romer Arm \* 9' Reach \* PC DMIS Software
- Proceq Hardness Tester
- Certified Comparator Products CC-16 optical comparator

**SURFACE GRINDERS:**

- Browne and Sharpe 1024 Micromaster 12" x 24" Mag. Chuck \* with DRO
- CNC Okamoto Surface Grinder \* 24" x 48" Chuck
- Do All DH612 Surface Grinder

**MANUAL MACHINES:**

- Bridgeport with R8 Spindle and EZ Trac
- Summit Manual Lathe
- Sunnen Honing Machine
- Electro Arc Tap Burner

**WATER JET:**

- Omax 80x-1 \* Dual bridge \* Dual head \* (1) fixed head (1) A-jet capable of up to 60 degrees cutting 5 axis \*  
Table size 8.5" X 80" X 260" \* 8.0" Thickness Capability

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**WELDING CAPABILITIES:**

- Shop Certified \* AWS D1.1 \* ASME Section 9 \* Hypotherm Powermax 105 Plasma cutter \* Weld positioners from 1500 lbs to 2,000 lbs
- MIG Welding: \* (3) ESAB 4002CW Water cooled \* (1) Miller Axxess 450 DI - .062 Metalcore
- TIG Welding: \* (2) Miller Dynasty 350 Welders
- Sand Blasting: \* 8' X 12'6" X 20' Booth – Aluminum Oxide media \* 3' X 3' X 4' Cabinet using Glass Bead for Aluminum and Stainless Steel

**MISCELLANEOUS:**

- Assembly Shop \* 150 Ton Gantry Press 6' X 12.5' Table \* In-house independent Non-Destructive Testing
- 15 Ton Overhead Crane Capacity
- Software: Gibbsscam \* Solidworks \* AutoCad \* Camlink