

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
- (2) Mazak VCN 705D/50 * 50 Taper * 60.2" x 27.55" Travel * 30HP * 6,000 RPM * Smooth Tool Management
- 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 4th Axis
- Mazak 510C * 40 Taper * 20" x 40" Table * 12,000 RPM * full 4th 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 4th 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 4th axis * 60 ATC
- OKK HM600 * 50 Taper * 24.8 Pallets * 8,000 RPM * Rapid 3,000 IPM * 40 HP * 40 ATC
- OKK HM800 * Big Plus 50 Taper * 31.5 Pallets * 12,000 RPM * 2,645 lb. Workpiece Capacity * Full 4th axis
- OKK HM6300S * Big Plus 50 Taper * 24.8" Pallets * 12,000 RPM * Full 4th axis * 50 HP * 60 ATC
- Mazak HCN-6800 2 Machine Palletech System * 2 Setup Stations * 2 HCN-6800's * 28 Pallets * 240 Tool Hive on
each machine * 10,000 RPM * 24.8" Pallets * Cat 50 Taper * 50 HP * Rapid 2,362 IPM * Smooth Tool Management

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- Mazak HCN-8800 * 10,000 RPM * 31.5" Pallets * 60 ATC * Cat 50 Taper * 50 HP * Rapid 2,362 IPM * Smooth Tool Management
- Mazak HCN-10800 * 10,000 RPM * 39.4" Pallets * 120 ATC * Cat 50 Taper * 50 HP * Rapid 2,362 IPM * Smooth Tool Management
- Mazak HCN-10800 * 10,000 RPM * 39.4" Pallets * 80 ATC * Cat 50 Taper * 50 HP * Rapid 2,362 IPM * Smooth Tool Management
- (2) Mazak FH-6800 * 10,000 RPM * 24.8" Pallets * 80 ATC * Cat 50 Taper
- Mazak FH-680 * 24.8" Pallets * 41.3" x axis * Cat 50 Taper Spindle * 10000 RPM * Full 4th 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
- Doosan Puma 4100LB * 21" Chuck * 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
- Doosan Puma 400LB * 21" Chuck * 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
- Doosan Puma 400B * 21" Chuck * 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
- Doosan Puma 300 * 30 HP * 12" Chuck * 28" Center to Center * 20" Swing
- Doosan Puma 280 * 30 HP * 12" Chuck * 28" Center to Center * 20" Swing

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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
- Doosan Puma 300MS * 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

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
- Creaform HandyProbe CMM * PolyWorks 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

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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
- Omax Maxiem 1515 * Travel 12" X 62" X 62" * Table size 88" x 68"

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: Gibbscam * Solidworks * AutoCad * Camlink * PC-DMIS * PolyWorks