



TOOL & MANUFACTURING

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## EQUIPMENT & FACILITIES

### CNC TURNING CENTERS:

- (1) **Takisawa TS-4000YS**
  - Diameter Thru Spindle:  
3.23" Max. Bar Work Capacity
  - Max. Turning Diameter:  
14.57" (11.02" Standard)
  - Max. Turning Length: 29.53"
  - 10" Main Spindle + 6" Sub  
Spindle x Y Axis
  - 12-Station Milling Turret
  - High Rigid Box Type Slide Way
- (1) **Hyundai 2 Axis L280**
  - Max. Turning Diameter: 16.14"
  - Maximum Thru Spindle: 3"
- (1) **Takisawa TCN-2100G L3**
  - Diameter Thru Spindle: 2"
  - Max. Turning Diameter: 11.81"
  - Box Slide Way X Z

- (2) **Takisawa TCN-2600L6**
  - Diameter Thru Spindle: 2.9"
  - Max. Turning Diameter: 16"
  - Box Slide Way X Z
- (1) **Takisawa TM-4000Y2**
  - Diameter Thru Spindle: 3.7"  
(3.23" Max. Bar Capacity)
  - Max. Turning Diameter: 10"
  - 12-Station Milling Turret,  
Upper & Lower
  - High Rigid Box Type Slide Way
  - LNS Sprint S3 Barfeeder
- (1) **Citizen Swiss Cincom L32 VIII**
  - Max. Turning Diameter: 1-1/4"
  - Low Frequency Vibration
  - Cincom Magazine Barloader
- (1) **Citizen Swiss Cincom L38 VIII**
  - Max. Turning Diameter: 1-1/2"
  - JBS 38mm Collet System
  - Edge Patriot 3-38 Barloader

- (2) **Amera Seiki TC-2L**
  - Diameter Thru Spindle: 2"
  - Max. Turning Diameter: 13"
  - Programmable Tail Stock
- (1) **Mazak Quick Turn 250 HP**
  - Diameter Thru Spindle: 3.15"
  - Max. Turning Diameter: 10"
  - Max. Swing: 17.3"
  - Max. Bar Diameter: 2-3/4"  
(3" w/ Bore Chuck)
- (2) **Takisawa TC-203J &  
(2) Takisawa TC-203JG**
  - Diameter Thru Spindle: 2"
  - Max. Turning Diameter: 11.81"
  - Box Slide Way X Z
- (1) **Citizen Swiss A32 VIII PL**
  - Max. Turning Diameter: 1-1/4"
  - C332 Barloader

### CNC MILLING CENTERS:

- (4) **Mazak 410A Nexus**
  - 4th Axis Head Index
  - Axis Travel:  
X = 30" Y = 16" Z = 20"
  - SMW 175 4th Axis Rotary Head
- (3) **Brother TC-S2D**
  - 4th Axis Head Index
  - Axis Travel:  
X = 19.7" Y = 15.7" Z = 11.8"
  - Independent Full 4th Axis  
Rotary Head
- (1) **Brother TC-S2D**
  - Axis Travel:  
X = 19.7" Y = 15.7" Z = 11.8"

- (1) **Brother S700X1**
  - Axis Travel:  
X = 27.5" Y = 15.75" Z = 11.8"
- (1) **Brother S500X1**
  - 4th Axis Head Index
  - Axis Travel:  
X = 19.68" Y = 15.75" Z = 11.8"
- (1) **Mazak 640M VTC160B**
  - Axis Travel:  
X = 44" Y = 16" Z = 22"
- (1) **Hyundai-Kia VX500 Vertical**
  - 4th Axis Head Index
  - Axis Travel:  
X = 40" Y = 20" Z = 20"

- (1) **Fadal VMC 2216FX**
  - 4th Axis Head Index
  - Axis Travel:  
X = 30" Y = 16" Z = 20"
  - 8,000 RPM 22 HP
- (1) **Kent KVR-2418**
  - Axis Travel:  
X = 24.01" Y = 18.11" Z = 18.89"
  - Spindle Taper
- (4) **Kitamura 3XD**
  - 12000 RPM Spindle Speed
  - Axis Travel:  
X = 30" Y = 30" Z = 20"

### OTHER TECHNOLOGY ROBOTICS:

- (4) **Motoman NX100 Robots**
- (1) **Universal Robots, UR10E**  
Collaborative Robot (co-bot)

### CUSTOMIZED AUTOMATION:

- (2) **Multispindle Torque Machine**

- (2) **Multispindle Drill &  
Tap with Autoload**
- (1) **Autoload Sorting/ Weighing  
Machine with Auto Paint Marker**
- (1) **Autoload Laser Checker For Lathes**

### SAWING EQUIPMENT:

- (2) **Hy-Mech H12 Band Saw**
  - Capacity: 12" x 12" / 12" Round

### METROLOGY:

- (1) **Mitutoyo PH-3115F Optical Comparator**
- (1) **Hexagon Global S Green  
7.10.7 DCC CMM**
- (1) **Mitutoyo B-231 Manual CMM**