

**AUTOMATION****(1) Okuma MB46VA W/VBX 160 Fanuc Robot**

- 15,000 RPM Big Plus Spindle
- 22 x 18 x 18 Table Capacity
- Renishaw Tool Breakage Detection
- Renishaw Probing/Gauging

**(1) PRODUCTIVE ROBOTICS OB7**

- 11 LBS CAPACITY
- 39" REACH
- 7 JOINTS
- +/-360 DEG JOINT RANGE ALL AXIS
- IP 61 CLASS

**MILL/TURN****(1) Okuma Multus B250II**

- 23.62" Max Turning Diameter
- 5,000 RPM Main/Sub Spindle
- Full C Axis Contour on Main/Sub Spindle
- 12,000 RPM B Axis
- 60 ATC Capacity w/Capt C6 Tooling
- B Axis Range 225°

**MILLING****5 Axis Simultaneous Milling****(6) Okuma M560V W/Nikken 5AX201 Rotary Hydraulic Clamping**

- 5 Axis Simultaneous Milling
- 5" Diameter Face Plate
- 15,000 RPM Big Plus Spindle
- 1000 PSI Thru Spindle Coolant MP Systems
- 40 x 20 x 18 Table Capacity
- Renishaw Tool Breakage Detection
- Renishaw Probing/Gauging

**(2) Okuma MB46VA W/Koma TW130 Rotary**

- 5 Axis Simultaneous Milling
- 5" Diameter Face Plate
- 15,000 RPM Big Plus Spindle
- 1000 PSI Thru Spindle Coolant MP Systems
- 22 x 18 x 18 Table Capacity
- Renishaw Tool Breakage Detection
- Renishaw Probing/Gauging

**3 Axis Milling****(1) Hardinge V480 APC (Automatic Pallet Changer)**

- Twin Pallets
- 10,000 RPM Big Plus Spindle
- 18 x 15 x 17 Table Capacity
- Renishaw Tool Breakage Detection
- Renishaw Probing/Gauging

**(1) Okuma MB46VA**

- 15,000 RPM Big Plus Spindle
- 22 x 18 x 18 Table Capacity
- Renishaw Tool Breakage Detection
- Renishaw Probing/Gauging

**(2) Okuma MCV4020**

- 15,000 RPM Big Plus Spindle
- 40 x 20 x 18 Table Capacity

**(3) Fortune V-Center 70**

- 10,000 RPM Spindle
- 27 x 18 x 18 Table Capacity

**(1) Fortune V-Center 85**

- 6,000 RPM Spindle
- 33 x 20 x 20 Table Capacity

**(1) Milltronics VM20**

- 10,000 RPM Spindle
- 40 x 20 x 25 Table Capacity

**(2) Fadal 3016 FX**

- 8,000 RPM Spindle
- 30 x 16 x 16 Table Capacity

**TURNING****(1) Okuma LU300 Twin Turret**

- Full C Axis Milling on Top Turret
- Turret Capacity 12 Upper/8 Lower
- 8" Chuck
- 5,000 RPM
- Distance Between Centers 39.4"
- Max Swing 20.87"

**(1) Doosan Puma MSB240 Sub Spindle**

- Full C Axis Milling on Main
- 5 Degree Indexing on Sub Spindle
- Royal S26 Collet System Main
- 3J Collet System Sub
- Turret Capacity 12 (Front and Back)
- 6,000 RPM Main/Sub
- Distance Between Centers 22.8"
- Max Swing 8"

**(2) Okuma Genos L250E**

- 8" Chuck and 3J Collet System
- Turret Capacity 12
- 5,000 RPM
- Distance Between Centers 19.69"
- Max Swing 9.06"

**(1) Okuma Genos L2000-E**

- 8" Chuck and 3J Collet System
- Turret Capacity 12
- 5,000 RPM
- Distance Between Centers 19.69"

- Max Swing 9.06"

**(1) Okuma E-Series ESL6**

- 6" Chuck and 5C Collet System
- Turret Capacity 12
- 6,000 RPM
- Distance Between Centers 19.69"
- Max Swing 9.06"

**(1) Fortune V-Turn 16**

- 6" Chuck and 3J Collet System
- Turret Capacity 12
- 6,000 RPM
- Distance Between Centers 22.75"
- Max Swing 8.75"

**(1) Matech MT24**

- Cross Slide/Gang Tool Lathe
- Turret Capacity 6
- 6,000 RPM
- Distance Between Centers 5"
- Max Swing 1"

**INSPECTION EQUIPMENT****Coordinate Measuring Machine (CMM)****(1) Brown & Sharpe/Hexagon Global 555**

- 20" x 20" x 20" Working Capacity
- HH-A-2.5 Scanning Head/Probe
- 6 Port Docking Station
- PC-Dmis Software
- 2.5 Degree Indexing
- R&R Style Fixture Plate

**(1) Brown & Sharpe/Hexagon Global 555**

- 20" x 20" x 20" Working Capacity
- PH10M Head
- TP20 Probe
- 6 Port Docking Station
- PC-Dmis Software
- 5 Degree Indexing
- R&R Style Fixture Plate

**(1) Brown & Sharpe DCC Gage 454**

- 18" x 20" x 16" Working Capacity
- PH10M Head
- TP20 Probe
- 6 Port Docking Station
- PC-Dmis Software
- 5 Degree Indexing
- R&R Style Fixture Plate

**Comparators****(2) PH-3515 Mitutoyo Comparator**

- 14" Screen View
- Quadra Check Readout

- 10" x 6" Travels

**(1) PH-350H Mitutoyo Comparator**

- 14" Screen View
- Quadra Check Readout
- 10" x 6" Travels

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**FINISHING EQUIPMENT**

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**(1) Mr. Deburr Vibrator Tumbler**

- 3 Cubic Feet Capacity
- 1 HP
- 13" x 13" x 13" Physical Size

**(1) Trinco Blast Cabinet**

- Glass Bead
- 400PT/300RC Dry Blast

**(6) Buffer/Polisher**

- .5" Dia Arbor
- 6" Capacity

**MISC EQUIPMENT****(1) Cosen Horizontal Band Saw**

- Model AH-300H Automatic
- 1" Blade