**cnc turning lathes**

**PHOTO 1**

1997 DAEWOO CNC Lathe, Mdl. Puma 12L-C, s/n PL-12 1168, Fanuc Series 18-T CNC control, 12-station tool turret, programmable tailstock, 15" 3-jaw chuck, 30 HP machine, 20–2,000 variable speed spindle, 40.2" max. turning length, 19" max. turning diameter, machine travels: X-10.2", Z-41.3", 10" turbo chip conveyor, foot control, tool presetter.

**PHOTO 2**

1998 HWACHEON CNC Lathe, Mdl. HI-ECO-35, s/n MO63346J7W-A, Fanuc Series 18-T CNC control, 10-station tool turret, programmable tailstock, 12" 3-jaw chuck, 30 HP machine, 20–2,500 variable speed spindle, 30" max. turning length, 16.6" max. turning diameter, 3.5" bar capacity, tool presetter, 10" turbo chip conveyor, foot control.

**PHOTO 3**

2005 HWACHEON CNC Lathe, Mdl. Hi-Tech 200 CI, s/n MO17353DIFN, Fanuc Series 0i-TB CNC control, 10-station tool turret, tailstock, 10" 3-jaw chuck, 20 HP machine, 30–5,000 variable speed spindle, 13.8" max. turning diameter, 15.7" max. turning length, 2" bar capacity, machine travels: X-7.7", Z-16.9", 10" turbo chip conveyor, foot control.

**PHOTO 4**

2005 HWACHEON CNC Lathe, Mdl. Hi-Tech 200 AI, s/n MO13353CIFE, Fanuc Series Oi-TB CNC control, 10-station tool turret, tailstock, 8" 3-jaw chuck, 20 HP machine, 30–5,000 variable speed spindle, 13.8" max. turning diameter, 15.7 max. turning length, 2" bar capacity, machine travels: X-7.7", Z-16.9".

**PHOTO 5**

MORI SEIKI CNC Lathe, Mdl. SL-25 B5, s/n 493, Fanuc 10T CNC control, 10-station tool turret, tool presetter, 20.86" max. turning length, 10.7" max. diameter, 35–3,500  variable speed spindle, machine travels: X-160mm, Z-590mm, 10" 3-jaw chuck, foot control.

**vertical CNC machining centers**

PHOTOS 6, 6A, 6B

2007 HAAS CNC Machining Center, Mdl. VF-5B-40 XT, s/n 1055464, 32-bit Haas CNC control, 30 HP spindle, 10,000 RPM spindle, thru spindle coolant, Cat 40 taper spindle, 24-station ATC, machine travels: X-60", Y-26", Z-25", 23" x 62" T-slot table, high/low speed gear box, Haas 5-axis Mdl. TR-210 Trunnion indexer.

PHOTOS 7, 7A

1994 FADAL CNC Machining Center, Mdl. 4020, Fadal multi-processor CNC control, 15 HP spindle, 10,000 RPM spindle, 21-station ATC, Cat 40 taper spindle, machine travels: X-22", Y-16", Z-18", 16" x 39" T-slot table, (2) Fadal 4th axis indexers.

**manual machinery**

**PHOTO 14**

BRIDGEPORT Manual Mill, s/n 66,994, 1 HP spindle 55–4,200 variable speed RPM, auto. feed table, 9" x 42" T-slot travel, Sony 2-axis DRO, draw bar.

**PHOTO 15**

2006 KENT Gap Bed Engine Lathe, Mdl. LA-30120, s/n LA-61002, 13–1,200 variable speed spindle, 15" 3-jaw chuck, 14" swing, 120" distance between centers, standard/metric thread, auto. feed carriage, low/high speed gear box, foot control, coolant.

WARNER SWASEY Lathe, Mdl. 3, 10 HP spindle, 10" 3-jaw chuck.

**grinding**

CINCINNATI Hydraulic OD Grinder, Mdl. 10/24, s/n 402B5B-61, live/dead spindle, tail center, auto. feed head, 24" distance between centers.

CINCINNATI Tool Cutter Grinder, Mdl. 5TX, s/n 2825465, 1 HP, 5" x 24" clamping table.

**inspection equipment**

PHOTOS 16, 08

MITUTOYO Bright Apex CMM, Mdl. BRTA504, s/n 1177808, Reinshaw Mdl. PH-9 touch probe, 34" x 28" granite surface plate.

**PHOTO 17**

ROCKWELL Hardness Tester, Mdl. 4JR, s/n 1642, w/counter balance.

**PHOTO 18**

STANDRIDGE 36" x 72" Granite Surface Plate, w/stand.

**PHOTO 9**

Asst. Height Gauges, Vernier Calipers, Indicator Stands, Blocks, Pins/Plug Gauges, Micrometers.

**air compressor**

**PHOTO 10**

1994 PALATEK Rotary Screw Air Compressor, 175 PSI, 50 HP, 3,490 RPM, 21,773 metered hours.

**tooling**

PHOTOS 11, 12, 13

CAT 40 Taper Tool Holders, 6" KURT Angle Lock Vises, Burnishing Tools, Grinding Fixtures, Tool Holders, Cutters.