

PRODUCTION EQUIPMENT

Milling Machinery

- 2 Makino a51-A60 Horizontal Mill. 30 hp, 12,000 rpm spindle. 22" x 22" x 20" axis travel, dual 400mm pallet changer. Highly efficient workhorse mills designed for high speed and precise machining. Tooled for flexible automation to accommodate high or low volume production with minimal labor cost. **New in 2004 and 2008!**
- 1 Kitamura HX-250iF Horizontal 5-axis Mill. 10 hp, 15,000 rpm spindle. 12" x 12" x 12" axis travel, dual 2500mm pallet changer. Small, high speed and highly precise, this machine is ideal for small parts with close tolerances and complex geometries. Also tooled for flexible, automated production. **New in 2009!**
- 2 Excel PMC-5T18 CNC Vertical Mill. 5 hp, 10,000 rpm spindle. 20" x 16" x 18" axis travel. These verticals provide a good balance between speed and flexibility in the low to medium volume range. Quick programming and setups on these mills allow us to make prototypes parts efficiently. These mills perform very well on the broad spectrum of materials and part geometries that our customers require.

Turning Machinery

- 1 Emco Maier 345/II CNC Turn-Mill lathe. 17 hp, 6300 rpm spindle. Work piece envelope 6" dia x 27.0" long, 1-3/4" dia bar thru spindle. This jewel is equipped with all the bells and whistles. It can turn a part, then in the same operation cut complex mill geometries with driven tools. It makes parts in a single operation that previously took three different machines. Part tolerances and surface finishes are outstanding!
- 2 Ganesh Cyclone 32CS Screw machine. Simultaneous synchronous machining on 10 hp, 6000 rpm main spindle and 5 hp, 6000 rpm sub-spindle. 27 cutting tools including 8 driven axial tools and 4 driven radial tools. Full C-axis path control in both main and sub spindles. 1.25" dia bar thru spindle. Automatic bar load/feeder. **New in 2007 and 2009!**
- 1 Hardinge HC Chucking Machine, 8-position turret.

Other Equipment

Parlec tool presetter enables setting tool lengths offline providing faster job setups.
Centrifugal and Vibratory Tumblers for automated parts finishing.