

Facilities List

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CNC Vertical Machining Centers

- (4) HAAS VF-0E, 18"x30"x20" travels, 20 tool capacity, high speed machine with 4th axis drive.
- (3) OKK PCV40-II, 16"x22"x20" travels, 18 tool capacity with 4th axis indexing.
- (1) OKK PCV40, 16"x22"x20" travels, 18 tool capacity.
- (1) MATSUURA MC-600-DC Twin Spindle Machining Center, 24"x16" travels, twin 20 tool capacity.
- (1) OKK PCV510, 20"x40"x22" travels, 21 tool capacity with Renishaw Touch Probing System.
- (1) OKK PCV55, 20"x40"x22" travels, 21 tool capacity with High Pressure, through spindle coolant.
- (3) OKK VM4, 16"x22"x16" travels, 20 tool capacity with 4th axis indexing.
- (1) HYUNDAI SPTV18S Pallet Changer 22"x16"x15" travels, 30 tool capacity.
- (1) DOOSAN MV3016L, 30"x16"x20" travels, 30 tool capacity.
- (1) FORTUNE VCENTER 85, 33"x20"x22" travels, 24 tool capacity.

CNC Horizontal Machining Centers

- (1) TOSHIBA BMC6B, 25"x31"x25" travels, 30 tool capacity, twin 25" pallet changer, 1 degree pallet indexing.
- (1) OKK 800II, 48"x40"x36" travels, 60 tool capacity, twin 32" pallet changer, 1 degree pallet indexing.
- (1) OKK PCH600, 25"x40"x36" travels, 60 tool capacity, twin 25" pallet changer, 4th axis milling.
- (1) HAAS HS-1, 24"x20"x22" travels, 24 tool capacity, twin 16" pallet changer, 1 degree pallet indexing.
- (1) HAAS EC-400, 20"x20"x20" travels, 24 tool capacity, twin 16" pallet changer, 12000 RPM spindle, 1 degree pallet indexing, Renishaw touch probe.
- (1) MAZAK NEXUS 6000-II, 30"x30"x30" travels, 80 tool capacity, 24" pallet changer, 1 degree pallet indexing.
- (1) MAZAK NEXUS 6000-II, 30"x30"x30" travels, 120 tool capacity, 24" pallet changer, 1 degree pallet indexing with Palletech 6 station manufacturing cell.

CNC Turning

- (1) OKUMA HOWA VTM100, 3 axis vertical turning center, 28" chuck, 30 tool cap., with milling and drilling, 39" swing, right angle attachments.
- (1) MIYANO ANC-51S, 6 axis turning center, equipped with 2" main spindle collet system, 1-5/8" sub spindle collet system, 8" 3 jaw chuck for main spindle and 5" 3 jaw chuck for sub spindle. Live milling and drilling for both spindles.
- (1) MIYANO LE22, 3 axis turning center, 8" 2 & 3 jaw chucks and expanding mandrel, with live milling and drilling.
- (1) DAINICHI F25M, 3 axis turning center, 2 & 3 jaw chucks, live milling & drilling.
- (1) DAINICHI BX35, equipped with 8" 2 & 3 jaw chucks and expanding mandrel.

- (3) DAINICHI BX45, equipped with 10" 2 & 3 jaw chucks.
- (2) DAINICHI F20, equipped with 8" 2 & 3 jaw chucks.
- (1) DAINICHI F25, equipped with 10" 2 & 3 jaw chucks.
- (1) DAINICHI F30, equipped with 12" 3 jaw chucks.
- (1) HYUNDAI HiT 8S, equipped with 6" 3 jaw chuck.

Laser Engraving

- (1) ProWriter 20w Fiber Laser, 12"x12" marking field, all True Type fonts, Barcodes, graphics files and much more.

EDM Hole Drilling

- (1) HoleMaster HM400T CNC EDM Hole Drilling machine, 15.75" x 14" travels, 24 position electrode changer, .004" - .256" hole range.

Production Sawing Department

- (1) Amada HA 400W.
- (1) HE&M SAW H90-A.
- (1) STARTRITE H250A.

Quality Control Department

- (1) Brown & Sharpe MicroXcel 7105 DCC CMM 29" x 41" x 20" with PC-DMIS software.
- (1) Brown & Sharpe MicroXcel CMM 29" x 26" x 20".
- (1) TESA Micro-Hite 3D CMM 18" x 28" x 16".
- (1) J & L 20" optical comparator.
- (1) Mitutoyo 24" Height Master.
- (1) Nikon SMZ645 Stereoscopic Zoom Microscope for F.O.D. inspection.
- O.D. Micrometers up to 34".
- Full compliment of gage pins, Jo-Blocks, bore gages, thread gages and dial indicators.

Tooling and Prototype Department

Full compliment of manual grinding, milling, drilling, turning and sawing equipment.