

# F a c i l i t i e s L i s t

## TURNING

- 2 Tsugami, Model BU26Y, CNC Swiss turn w/live tooling, magazine bar feed, & thread whirling attachment
- 1 Tsugami, Model BS20-III, CNC Swiss turn w/live tools, bar feed & thread whirling attachment
- 1 Tsugami, Model BZ18 LII, CNC Swiss turn w/bar feed and subspindle
- 1 Miyano, Model BND34S, CNC lathe w/subspindle, bar feed & live tooling, 1-3/8" dia.
- 1 Miyano, Model BNC34S, CNC lathe w/subspindle, bar feed, 1-3/8" dia.
- 1 Miyano, Model BND20C, CNC lathe w/live center, bar feed & live tooling, 1-3/16" dia.
- 1 Miyano, Model BNC34A, CNC lathe, 1-3/8" dia.
- 1 Mori Seiki, Model SL25, CNC lathe w/bar feed & live center
- 2 Mori Seiki, Model SL200, CNC lathe w/live center and bar feeder
- 1 Mori Seiki, Model CL20, CNC lathe w/bar feed
- 1 Mori Seiki, Model SL20, CNC lathe w/live center & bar feeder
- 1 Mori Seiki, Model Frontier II, CNC lathe w/live center & bar feeder
- 2 Daewoo, Model Puma 200, CNC lathe w/live center & bar feeder
- 1 Daewoo, Model Lynx 200, CNC lathe w/live center & bar feeder
- 1 Daewoo, Model Lynx 200, CNC lathe w/chucker only
- 1 Hardinge, Model CHNC III, Super Precision w/bar feed
- 6 Hardinge, Model HSL-59, high-speed manual lathe
- 1 Hardinge, Model HSL, high-speed manual lathe
- 3 Hardinge, Model DSM59, manual bench lathe

## MILLING

- 7 Miyano, Model TSV35, CNC machining center, 4-axis
- 2 Miyano, Model TSV35L, CNC machining center, 4-axis
- 1 Miyano, Model MSV40, CNC machining center, 4-axis
- 7 Haas, Model VF-3, CNC machining center, 4-axis
- 1 Haas, Model Super Mini Mill, CNC machining center, 4-axis

## MULTI-TASKING MACHINES

*(combination turning and milling hybrid machines)*

- 1 Mazak, Model Integrex 200SY, multi-tasking CNC turning & milling w/40-tool changer, live tooling, and bar feeder
- 2 Mazak, Model Integrex 100SY, multi-tasking CNC turning & milling w/40-tool changer, live tooling, and servo bar feeder

## DRILL, TAP & THREAD

- 4 Dumore, Series 24, automatic drill press
- 1 Dumore, Model 37-021, super-sensitive drilling machine
- 1 Leland-Gifford, 4-spindle drill press
- 2 Kaufman, Model S-200, lead screw tapper
- 1 Snow, Model TA-2, production tapper
- 2 Reed, Model #A22, thread roller, tri-roll
- 1 Waterbury-Farrel, #30, thread roller

## GRINDING

- 3 Cincinnati, Model #2, centerless grinder
- 2 Myford, Model HP, O.D. grinder
- 1 Unison, Omni-Grind, centerless grinder w/dedtru attach
- 1 Size Control, NC3094, centerless lapping machine
- 1 Excello, Model 174, center lapping machine
- 1 Sunnen, Model #1650, precision hone

## EDM

- 1 Sodick A280, 4 axis wire EDM machine
- 1 Sodick A320, 4 axis wire EDM machine
- 1 Sodick A325, 5 axis wire EDM machine

## METAL FINISHING

- 1 Roto Finish, vibratory finisher
- 3 Econoline, Model RA36, glass bead blasting cabinets
- 1 Delta, Model 66, polishing lathe
- 1 Schauer polishing lathe
- 2 Almco, Supersheen, centrifugal rotary deburr
- 2 Comco MicroBlaster precision blasting cabinets

## TOOL ROOM

- 1 Chevalier CNC vertical knee mill w/Proto Trak control
- 1 Clausing, Model C-13, 13" x 36" turret lathe
- 1 Brown & Sharpe, #13, universal tool & cutter grinder
- 1 Brown & Sharp, #5, tool & cutter grinder
- 1 Chevalier, FSG-2A618, surface grinder
- 1 Delta carbide grinder
- 1 Boyer-Schultz, HRG12, surface grinder
- 1 Optima, Model 30, universal drill pointer/grinder
- 1 Dumore, Model 21-011, drill grinder
- 2 Bridgeport, Series #1, vertical mill w/digital readout
- 1 Powermatic, Model 1200, drill press
- 1 Delta metal cutting band saw

## INSPECTION

- 2 Starrett, Model HE350-220E, optical comparator w/10X lens, Quadra-Check and edge detection
- 1 J&L, Model EPIC 14, comparator w/Quadra-Check
- 1 J&L, Model PC-14, pedestal comparator
- 2 Baty Gage Master comparators w/Quadra-Check 2000
- 1 Starrett HB350 comparator w/Quadra-Check 2000
- 4 Lufkin, Model 1200, bench comparator
- 2 Microvu 400, bench comparator
- 2 Mitutoyo 0"-12" digital height gage, w/probe
- 1 Bausch & Lomb stereo microscope
- 1 Gould surfanalyzer profilometer
- 8 Federal, Model 45-B-100, thread pitch dia. gage w/.0001" graduation comparator
- 12 Pratt & Whitney, tri-roll thread gages w/.0001" graduation comparator
- 1 Johnson, segment thread comparator w/master plugs & segments
- 1 complete set, master thread setting plugs (3-56 to 1-5/8-18)
- 1 complete set, working plug gages (4-40 to 1-5/8-18)
- 1 complete set, thread ring gages (0-76 to 1-11/16-18)
- 1 Wilson, Series 500 Rockwell hardness tester
- 1 Federal, EDM 1500 Profilometer w/motor
- 1 Federal, Model 54D Dimensionair, air gage
- 5 Federal, Model NB-60 comparators
- 1 complete set, Diatest bore gages
- 3 Sunnen, bore gages .750" to 3.00"
- 1 Sunnen, small bore gage, assorted sizes
- 1 MTG, Model G-600, internal thread gage
- 1 Complete set, size control thread wire (6-36 Pitch)
- 3 Complete sets, Webber-Starrett gage blocks
- 1 Leak tester, 0-30 in/Hg.
- 1 Bausch & Lomb, DR-25, direct reading optical gage
- 1 24" x 36" granite surface plate
- 2 14" x 18" surface plates
- 1 Large assortment of cylindrical plug gages (.0275" to 1.837")
- 1 Hertzler & Assoc., QA/S, SPC software
- 1 Mitutoyo, Model QV202, Quick Vision Machine w/CMM
- 1 Mitutoyo, Model QV3100, Form Tracer machine
- 1 Starrett, Model 400 Series, optical comparator, w/Quadra-Check 2000

## MISCELLANEOUS

- 2 Kalamazoo, Model #8CW, automatic cut-off saw
- Assorted bench grinders, buffers, sanders



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