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#### DESIGN SOFTWARE

- 1... SolidWorks 2016
- 1... SolidWorks 2015
- 1... SolidWorks 2013
- 1... AutoCAD
- 1... Mastercam X2

#### E.D.M.

- 1... AgieCharmilles FI 240CC, Wire E.D.M. X-14", Y-9", Z-8.75"
- 1... Charmilles ROBOFIL 240SL, Wire E.D.M. X-14", Y-9", Z-8.75"

#### SAWS

- 1... Powermatic, Vert. Band Saw 18"x12" Height
- 1... Marvel No. 8, Vert. Band Saw 24"x18" Height
- 1... StartRite 30 RWF, Vert. Band Saw 30"x14" Height

#### VERTICAL MILLS

- 1... Trak TRM, 2-Axis CNC Mill X-28", Y-15", Z-5"
- 1... Bridgeport - Proto Trak MX2, 2-Axis CNC Mill X-32", Y-14", Z-5"
- 1... Bridgeport Series 1 Mill with Broaching Attachment X-32", Y-14", Z-5"
- 1... Bridgeport
- 4... Trak DPM, Trak A.G.E. 3, 3-Axis CNC Mill X-28", Y-15", Z-18"
- 1... LeBlond-Makino FNC 74, CNC MILL X-34", Y-17", Z-20"

#### CNC HORIZONTAL BORING MILL

- 1... Cincinnati - Milacron Cintimatic 40 X -40, Y-40, Z-8

#### SWISS LATHES

- 1... Star SR32J, 1 1/4" diameter X 14" length capacity

#### MANUAL LATHES

- 1... LeBlond-Makino, 15" Swing X 48" between centers

#### CNC LATHES

- 1... Okuma Cadet, 10" Swing, 24" between centers
- 1... Trak TRL 1475P, CNC Lathe 17" Swing, 48" between centers
- 1... Okuma Crown L1420, 14" Swing, 59" between centers

#### DRILL PRESS

- 1... Clausing Single Spindle, Work Table 24" X 40", 3 H.P.

#### SURFACE GRINDERS

- 1... Sharp SG 618, X-18", Y-16", Z-12"
- 4... Reid Rollerway, X-18", Y-6", Z-18"
- 1... Okamoto 618, X-18", Y-6", Z-18"

- 1... Okamoto 16-32, X-32", Y-16", Z-24
- 1... Okamoto 618 Wet Grinder, X-18", Y-6", Z-18"

#### O.D. GRINDER

- 2... Brown & Sharpe No. 13, 9" Dia. X 24" between centers
- 1... Myford, 5" Dia. x 12" between centers with Internal attachment

#### I.D. GRINDER

- 1... Hearld Model 274, 21" Swing, 18" Stroke

#### JIG GRINDERS

- 1... Moore No.3, X-18", Y-12", Z-3.5" with 13" clearance to table
- 2... Moore No.G-18, X-18", Y-12", Z-3.5" with 13" clearance to table

#### JIG BORES

- 1... SIP, Type HY-7 No. 42, X-57", Y-40", Z32"

#### HEAT TREAT FURNACES

- 2... Thermolyne Heat Treat Furnace 2400°F, 8" x 8" x 18"
- 1... K.H. Huppert Draw Furnace 2000°F

#### INSPECTION

- 1... Zeiss Micura with Vast Gold Scanning Head, 19" x 19" x 19" travel
- 1... Zeiss Spectrum 700 with RDS/Articulating Arm, 27" X 40" X 23" travel
- 1... OGP Smartscope 500 with Probe, Laser and Vision Sensor System
- 1... Mahr Federal Opal 300 ULM Measuring System, 12" capacity with 44 lbs. max. part weight
- 2... Brown and Sharpe Micro-Hite 350
- 1...Precitech Roundness Checker, 10" Dia.
- 2... Sunnen Dial Bore Gages, 1.032"-6.040" Dia.
- 1... Granite Surface Plate, 48" x 96"
- 1... Granite Surface Plate, 36" x 48"
- 3 Sets... Gage Blocks A+ Grade
- 1 Set... Gage Blocks AA Grade
- 1 Set... Ceramic Gage Blocks AA Grade
- 2 Sets... Carbide Tipped Micrometers, 0 -12"
- 1 Set... (-) Gage Pins, .011" - 1.000" Dia.
- 1 Set... (+) Gage Pins, .060" - .500" Dia.
- 2 Sets... Depth Micrometers, 0 - 12"
- 2... Profilometers, Surface Test Gage
- 1 Set... Thread Gages, Internal & External, Fine & Course, #10 - 1"
- 1... Rockwell Tester
- 2 Sets... Sunnen Dial Bore Gages .495" - 2.00" Dia.
- 1... Mititoyo Centers, 40" x 19" Dia. Centers
- 2... Sheffield Height Comparator
- 1... Shore-A durometer tester
- 1... Shore-D durometer tester
- 1... Federal Electronic Gage Head, 5µin graduation
- 1... Ex-Cell-O 827 Optical Comparator with digital readout, 30" Dia. screen, 10x, 20x and 50x magnification

**Note:** All Micrometers and Height Gages are SPC operational

#### MATERIAL HANDLING

- 1... Robbins & Meyers 10 Ton Hoist, 18' under hook
- 1... Hyster Electric Fork Truck, 6000 lb.
- 1... Clark Electric Fork Truck, 2500 lb.