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EQUIPMENT LIST

DESIGN SOFTWARE

- 1... SolidWorks 2007
- 2... SolidWorks 2006
- 1... AutoCAD Release 2006 Or lower
- 1... Inventor 10

E.D.M.

- 1... Charmilles 240CC Wire E.D.M. X-14", Y-9", Z-8.75"
- 1... Charmilles 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... Start Rite Vert. Band Saw 30"x14" Height

VERTICAL MILLS

- 1... Trak Trm 2-Axis CNC Mill X-28", Y-15", Z-5"
- 2... Bridgeport - Prototrak 2-Axis CNC Mill X-32", Y-14", Z-5"
- 1... Bridgeport Series 1 Mill X-32", Y-14", Z-5"
- 3... Trak Trim 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

MANUAL LATHES

1... Leblond-Makino 15" Swing X 48" Between Centers

CNC LATHES

1... Okuma Cadet 10" Swing, 24" Between Centers

1... Trak 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"

2... 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

O.D. GRINDER

2... BROWN & SHARPE MODEL 13,9" DIA. X 24" BETWEEN CENTERS

1... Myford 5" Dia. x 12" Between Centers with Internal Attachment

I.D. GRINDER

1... HEALD MODEL 274A, 21" SWING, 18" STROKE

JIG GRINDERS

2... MOORE NO.3 X-18", Y-12", Z-3.5" WITH 13" CLEARANCE TO TABLE

JIG BORES

1... SIP HYDROPTIC #7 X-57", Y-40", Z32"

HEAT TREAT FURNACES

1... Thermolyne Heat Treat Furnace 8" x 8" x 18" 2400°F

1... K.H. Huppert Draw Furnace 2000°F

INSPECTION

1... OGP SMARTSCOPE 500 VISION System

1... MAHR FEDERAL OPAL 300 ULM MEASURING SYSTEM 12" CAPACITY with 44 lbs. MAX. PART WEIGHT

1... ZIESS SPECTRUM 700 WITH ARTICULATING ARM - TRAVEL 27 X 40 X 23

1... BROWN AND SHARP MICRO-HITE 350

1... SUNNEN DIAL BORE GAGES 1.032-6.040 DIA.

1... 48" X 96" GRANITE SURFACE PLATE

1... 36" X 48" GRANITE SURFACE PLATE

3 SETS... GAGE BLOCKS A+ GRADE

1 SET... GAGE BLOCKS AA GRADE

1 SET... CERAMIC GAGE BLOCKS AA GRADE

1... 12" MITUTOYO MASTER HEIGHT GAGE WITH 12" RISER

2 SETS... 0 - 12" CARBIDE TIPPED MICROMETERS

1 SET... .010-1.00 DIA. GAGE PINS - .0002

2 SETS... 0 - 12" DEPTH MICROMETERS

1... SURFACE TEST GAGE - PROFILOMETER

1 SET... #10 TO 1" FINE & COURSE THREAD GAGES - INTERNAL & EXTERNAL

1...PRECITECH ROUNDNESS CHECKER 10 INCH DIA.

1... ROCKWELL TESTER

1 SET... SUNNEN DIAL BORE GAGES .495 - 2.00 DIA.

1... MITUTOYO 40" CENTERS X 19" DIA.

2... SHEFFIELD HEIGHT COMPARATOR

1... Shore-A durometer tester

1... Shore-D durometer tester

1... GE Electrolimit .000010 indicator

1... FEDERAL ELECTRONIC GAGE HEAD .000005 INCH GRADUATION

1... Ex-Cell-O Optical Comparator 30" screen 10x and 20x magnification

1... MITUTOYO LINEAR HEIGHT 600

NOTE: ALL MICROMETERS & HEIGHT GAGES ARE SPC OPERATIONAL

MATERIAL HANDLING

1... ROBBINS & MEYERS 10 TON HOIST, 18 FT. UNDER HOOK

1... HYSTER ELECTRIC FORK TRUCK, 6000 LB.

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