



## SPECIALTY ENGINEERING MACHINE TOOL EQUIPMENT LIST (current 12-1-12)

### MILLING EQUIPMENT

- 1) OKUMA MC4VA Vertical Machining Center with OSP 5000MG Control 16" x 32" Table Travel
- 2) OKUMA MC5VA Vertical Machining Center with OSP 5000MG Control 20" x 40" Table Travel
- 1) OKUMA MC60VA Vertical Machining Center with OSP 5000MG Control 24" x 60" Table Travel
- 1) Cincinnati Universal Vert. & Horiz. Mill 16" x 32" Travel
- 8) HD Bridgeport Vertical Mills with Sony DRO

### DUPLICATING EQUIPMENT

- 1) Bridgeport Series I with 3-D True Trace

### GRINDING EQUIPMENT

- 2) Okamoto Surface Grinders 12" x 24"
- 1) Moore Jig Grinder 11" x 18"
- 2) Landis Surface Grinders 6" x 18"
- 1) Heald Internal/External 25" Swing
- 1) #2 Boyar-Schultz Profile Grinder with Overhead Spindle
- 1) Cincinnati O.D. - I.D. 12" x 48"
- 1) Blanchard Rotary Grinder 48" Swing
- 1) Mattison Rotary Grinder 72" Swing

### HEAT TREAT EQUIPMENT

- 2) Cress Heat Treat Furnaces 18" x 18" x 24"
- 1) Tempering furnace
- 1) Quench Tank
- 1) Trinco Dry Bead Blaster
- 1) Wilson Model 4 JR 8 RB Hardness Tester

### DESIGN SOFTWARE

- Autocad Release 2002
- Solid Works 2012
- MasterCam X6

### DRILLING EQUIPMENT

- 6) Fosdick #2B Drill Presses 24" x 24" Table
- 1) Radial Drill Press 12" Column x 5 ft.
- 1) Radial Drill Press 12" Column x 4 ft.
- 1) Radial Drill Press 8" Column x 3 ft.

### BORING EQUIPMENT

- 1) Cincinnati-Gilbert Boring Mill with Readouts 43" x 65" Table Travel
- 1) Cleerman Jig Borer with Readouts and Jig Grinding Attachments 16" x 30" Table Travel

### TURNING EQUIPMENT

- 1) OKUMA CADET Turning Center OSP 5020 Control 10" x 22"
- 1) OKUMA LB-15 Turning Center OSP 5000 Control 10" x 22"
- 1) South Bend Engine Lathe 25" x 88"
- 1) LeBlond Engine Lathe with True Trace attachment 19" x 78"
- 1) Monarch Pacemaker Engine Lathe 16" x 54"
- 1) Zupal Metric Engine Lathe 13" x 48"
- 1) OKUMA Captain L470BBM Multifunctional Turning Center

### MATERIAL HANDLING

- 3) Fork Lift Trucks (15000 lb Capacity)
- 1) Two Ton Truck
- 1) One Ton Truck
- 2) 3/4 Ton Trucks

### MISCELLANEOUS EQUIPMENT

- Hobart 500 amp Arc Welder
- Arbor Press
- 14 Gauge Hand Brake, 10'
- Linde 250 amp Tig/Arc Welder (Water Cooled)
- Miller 200 amp MIG Welder
- Miller 250 amp MIG Welder
- Pexto Mechanical Shear, 10ga x 96"
- Roto-Finish Polish/Deburr Machine, 72" diameter
- Toledo Platform Scale 6000lb capacity
- Meta-Lax Model 900 2A Stress Reliever
- Pro Pen P3000 PN/c Pneumatic Marking Tool

### SAWING EQUIPMENT

- 3) DoAll Contour Band Saws
- 1) Wells #8 Cut-Off Saw
- 1) Kysor Johnson Hydraulic Cut-Off Saw 18" Capacity
- 1) Hem Saw Twister Cut-Off Saw
- 2) Marvel Series 8 Cut-Off Saw

### WATER JET CUTTING

- 1) Flow Corp. Water Jet Machine Integrated Flying Bridge Model I6012 6' x 12' cutting area up to 10' thick

### EDM EQUIPMENT

- 1) Agiecut Progress 3 Wire Cut CNC with Agievision Control 19.68" x 13.78" Travel, Max Thickness 10.43"

### PRESS EQUIPMENT

- 1) Heim 300 Ton S.S. Press Shut Height - 22" with Bolster Stroke - 12" Bolster - 48" F-B x 96" L-R Ram - 36" F-B x 96" L-R
- 1) Heim 400 Ton S.S. Press Shut Height - 22" with Bolster Stroke - 12" Bolster - 48" F-B x 102" L-R Ram - 36" F-B x 102" L-R
- 1) Federal 60 Ton OBI Shut Height - 16" Maximum Stroke - 6" Bolster - 26" F-B x 34" L-R Ram - 16" F-B x 18" L-R

### INSPECTION EQUIPMENT

- 1) Faro Model Silver 8' Portable CMM
- 1) Faro Platinum 8' accurate to +/- .0015"
- Misc. height gauges, bore gauges, gauge blocks, calipers, micrometers, protractors, dial indicators, check pins, standards, angle plates, parallels, precision straight edges, 48" x 144" surface table, etc.

### FLOOR SPACE

- Office & Design - 2400 square feet
- Manufacturing & Machining - 20,000 square feet
- Assembly - 6000 square feet
- Warehouse - 9000 square feet
- Loading dock for normal freight handling