

PROTOMATIC Inc.
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Equipment List

Mills

- (1) Haas VF-0E (30") 4-Axis/ Rotary Table
- (5) Haas VF-2 (30")/ 4/4.5-Axis / Rotary Tables
- (2) Haas VF-2SS (30") 5-Axis / Rot. Tab. & Glass Scales
- (1) Haas VF-3 (40") 5-Axis / Rotary Table
- (1) Haas VF-4SS (50") 5-Axis Mill
- (2) Hardinge VMC 1000 (40") with Rotary Tables
- (2) Bridgeport Manual Mills
- (1) Bridgeport Manual Mill with Broaching Head

Lathes

- (1) Hardinge Conquest T42 with C-Axis (1 5/8")
- (2) Hardinge Conquest T42 (1 5/8")
- (2) Hardinge Cobra T42 (1 5/8")
- (1) Hardinge GT27SP Autoloader (1")
- (1) Sheldon 13"
- (1) Hardinge Tool Room
- (2) Hardinge Chucker
- (1) Jet-1550 15" x 50"
- (1) Clausing 13"
- (1) Monarch 21"x 80"

Presses

- (1) Accupress 130T / 10' Break
- (1) Owatonna Tool Co. / 25T Press
- (2) Drake 1 1/2T Arbor Press

Inspection Equipment

- (1) Brown & Sharp Global 9158 (0.9M x 1.5M x 0.8M)
- (1) Brown & Sharp Gage 2000 CMM 18" x 20" x 16"
- Bore Gages
- Surface Plates (large & small)
- Gauge Blocks
- Plug Gauges
- Inspection Standards
- (1-set) Micrometers 0-12"
- Dial Gauges
- (1-set) Vertical Calipers 0-60"
- Chatillion Gauges (Force/Torque)
- (2) Micro-Vu Optical Comparator, #M14
- SPC Data Collection; Mitutoyo (UP-1)
- SPC; SPSS Software
- Gage Calibration; Cybermetrics Gagetrak
- (1) Surfometer: Federal Pocket Surf
- (1) Force Guages 0-20,000 Lbs
- (2) Strain Guages
- Digital Voltmeter
- Oscilloscope
- Power Supplies, Fixed and Adjustable
- Isolation Transformer and Constant Voltage Transformers
- Thermometers and Thermocouplers (Dig and Analog)
- Function Signal Generators
- Alignment Lasers
- Mass Standards (50lbs)
- Highpot Tester

- Sound Meter (dba)
- Optical Flat and Light source
- Flourescent Dye Penetrant Test Equipment (FPI)

Computer Hardware/Software

- (6) CAM Software; Surfware/Surfcam Velocity 4
- (10) CAM Software; Bridgeport / EZ Surf / EZ Turn / EZ Mill
- (1) Cam Software, Gibbs Cam
- (3) Cam Software, BobCad V23 (Mill/Lathe)
- (2) Solidworks CAD 2010 (Premium, FEA)
- (1) Autocad CAD
- (1) Cadkey CAD
- High Speed Internet Connection
- EDI Scanning; Supply Tech
- Barcoding; Shop Tech E2

Ovens

- Heat Treat Oven (3000F)
- Welding Prep Oven (500F)
- Blue M Convection Oven (450F)

Welders

- Lincoln Ideal ARC TIG 300/300
- Miller MIG
- Oxygen / Acetylene
- Dayton Spot Welder #2Z544
- Miller ARC TIG Portable 165/165
- Plasma Torch, Hypertherm 625 (5/8")

Sheet Metal Equipment & Shears

- (1) Di-Acro / Notcher
- (2) Di-Acro / Punch / #2
- (1) Di-Acro / Hand Brake
- (1) Di-Acro / Hand Shear
- (1) Di-Acro / Tube Bender
- (1) Shear, Cincinnati 1/4" x 10'
- (1) Shear, Di Acro

Grinding and Honing

- (1) Surface Grinder Harig 618W
- (1) Sunnen Hone

Band & Cut-off Saws and Sanders

- (1) Marvel Series 8 Mark I Vertical/Miter
- (1) Grob Vertical
- (1) DoAll Vertical
- (1) Wilton 10x16 Drop Saw
- (1) Walker-Turner Vertical
- (3) Belt Sanders
- (1) Milwaukee Chop Saw

Drill Presses, Filers & Grinders

- (2) Drill Press, Rockwell
- (1) Drill Press, Clausing
- (3) Drill Press, Sunex 5000A
- (1) Filer, Craftsman
- (1) Grinder, Baldor
- (1) Grinder, Jet, Belt
- (1) Grinder, Diamond, Accu-Finish
- (1) Grinder, Wilton, Pedestal

Assembly

- Riv Nut Guns
- Pop Rivit Guns

- Helicoil Insert Tools
- Keensert Insert Tools
- Torque Guns
- Soldering Guns
- Heat Guns
- Veeco He Leak Tester

Marking/Engraving/Finishing

- ElectroX Raptor Fiber 4 Axis Engraver/Marker
- Micro Blaster
- (2) Glass-Bead Blaster / Empire Abrasive #526
- (3) 5 Micron Air Flow Benches
- (1) Dwindraft Grinding Table / Diversitech
- (3) BurrKing- Tumber
- (1) Ultrasonic Cleaner
- (1) Co2 Coolant/Cleaning
- (2) Water Purifier Reverse Osmosis (RO)

Miscellaneous

- (1) 15Hp Quincy 390 Compressor
- (1) 20 Hp IR Screw Compressor
- (1) Ingersol Rand Air Dryer
- (2) Water Purifier reverse-osmosis
- (1) 2-Man Lift / Scissors
- (1) Forklift, Clark 5000lbs, 54"
- (2) Pallet Jacks
- (2) Parts Counter and Scales

Sales/Marketing/Advertisement/EquipmentList Rev. 1.10