

MANUFACTURING EQUIPMENT and FACILITIES list (1/2015)

CNC PRODUCTION MILLING

2 OKUMA MA-400HA CNC Horizontal Machining Center
35hp, 15000rpm, 2362ipm, X22.05" x Y24.02" x Z24.61", 2-Pallet, 60 tools, Renishaw Integrated Probe, Auto-Gauging, .001 Deg B-Axis resolution., Auto tool length offset, Tool breakage detection.

1 HAAS VF-4SS CNC Vertical Machining Center:
30hp, 12000rpm, X50" x Y20" x Z25" & A-axis, 24 tools, Auto tool setting, Part Probe

1 HAAS VF-3 CNC Vertical Machining Center
20hp, 7500rpm, X40" x Y20" x Z25" & A-Axis, 32 tools, and 2-Station Automatic Pallet Changer

2 HAAS VF-2SS CNC Vertical Machining Center
30hp, 12000rpm, X30" x Y16" x Z20" & A-axis, 24 tools, Auto tool setting, Part Probe

5 HAAS VF-2 CNC Vertical Machining Center
10-15hp, X30" x Y16" x Z20" & A-axis, 20 tools

CNC PRODUCTION TURNING

1 OKUMA Impact LU-15M CNC 5-Axis 2-Turret Lathe w/Live tooling
30hp spindle, 5hp rotary tool drive, X14.17" x Z23.62", 8" Chuck, 20 Tools, 2.1" thru spindle, LNS ECO Load Automatic Bar Feed System

1 OKUMA Impact LU-15 CNC 4-Axis 2-Turret Lathe
30hp, X14.17" x Z23.62", 8" Chuck, 20 Tools, 2.1" thru spindle, SMW Model 2000 Automatic Bar Feed System

1 OKUMA Crown CNC Lathe
18hp, X10.63" x Z19.69", max swing 21.65", 8" Chuck, 12 tools, 2.1" thru spindle, LNS Quick-Load Automatic Bar Feed System

1 OKUMA Cadet Big Bore CNC Lathe
15hp, X9.84" x Z19.69", max swing 15.75", 10" Chuck, 12 tools, 2.5" thru spindle, LNS Quick-Load Automatic Bar Feed System

PROTOTYPE / SHORT-RUN MACHINING CNC & MANUAL

1 ALLIANT B6EC CNC Bed Mill
w/ Anilam MK3300 Control XYZ travel- 22" x 42" x 24"

1 SHARP HMV Vertical Milling Machine
w/ ProtoTrak M3 3-axis CNC Control, 54" Table

1 SHARP LMV Vertical Milling Machine
w/ ProtoTrak MX3 3-axis CNC Control, 42" Table

1 HAAS TL-3W CNC Tool Room Lathe
30hp, X15" x Z60", 30" max swing, 18" over cross slide, 3.5" thru spindle

1 HARRISON Alpha Plus 400 CNC Tool Room Lathe
10hp, X9-5/8" x Z50", 23" max swing, 2-1/8" thru spindle

2 BRIDGEPORT Vertical Milling Machine
ea w/DRO, 30", 48" Tables

1 SHELDON 11" x 22" c-c Manual Lathe

1 SOUTH BEND 10" x 30" c-c Manual Lathe

1 3/4 hp x 15" Floor Drill Press

1 1 hp x 15" Floor Drill Press

4 1/2 hp Bench Drill Press

SURFACE GRINDING

1 HARIG Model 618SW 6" x 18" 3-Axis Automatic Surface Grinder

FORMING

1 UNI HYDRO Model 66-24 Ironworker 66 ton for punching, shearing, forming, pressing

1 PEXTO Model PH452 53-1/2" x 16ga Hydraulic Shear

1 TENNSMITH Model HBU4812 48" x 12ga Finger Brake

1 HOSSFELD #2 Universal Bender

3 Custom-Built Rotary Tubing Bender max 3/4" Dia x 14ga

1 Metal Fab WC2500 wet dust collector

J.R. HIGGINS

ASSOCIATES, LLC

Highest Quality Machined Products
Excellence in Manufacturing

CUTTING

- 1 HYD-MECH Model H-14A Band Saw, 14" x 14" 7.5 hp, Automatic Index
- 1 KALAMAZOO Model U816 16" Band Saw w/Coolant w/blade welder
- 1 DOALL Model 2013-20, 20" throat Vertical Band Saw w/blade welder
- 1 GROB Model 4V-24, 24" throat Vertical Band Saw w/blade welder
- 1 COMMERCIAL Craftsman 6" Band Saw
- 1 KALAMAZOO IND. 10" Rotary Chop/Cutoff Saw w/Coolant
- 1 DELTA Contractor 10" Table Saw
- 1 DELTA Uni-Saw, 10" Table Saw
- 1 HYPERTHERM MAX 43 Plasma Cutter

FINISHING

- 1 C&M Topline MR Deburr Model 300DB 3 Cu Ft Vibratory Tumble Deburring Machine
- 1 PORTAVIBE Model PTV 2.5C Vibratory Tumble Deburring Machine
- 1 TRINCO Model 36/BP Sand Blasting Cabinet
- 1 TIMESAVER Model 948 Surface Finisher
- 4 Belt Sanders: 1", 4", 6" wet & dry
- 13 Bench & Pedestal 2-Station Sanding/Deburring/Grinding Units
- 2 CINCINATTI 1hp Dust Collection unit
- 1 Micro Air Model WC-2500 Wet Dust Collector

WELDING

- 1 MILLER Synchronwave 350 TIG Welding Machine
- 2 MILLER Millermatic 250/200 MIG Welding Machine
- 2 MILLER Spoolmatic 30A MIG Welding Gun System
- 1 MILLER Thunderbolt Arc Welder
- 1 AIRCRAFTER Rotary Welding Positioner
- 1 HARRIS Oxy-Acetylene Gas Welding/Cutting Unit

INSPECTION

- 1 MITUTOYO Crysta-Plus 504 CNC Coordinate Measuring Machine: X20" Y16" Z16" Resolution: 0.000004" Renishaw PH10T motorized head
- 1 MITUTOYO Surftest SJ-201P Surface roughness tester: Range: -7880uin to 5900 uin

OTHER

- ECI M1 Business Management ERP Software Ver 8.00 on Windows Server 2011
- MasterCam X7, CAM Software, Mill Level 3, Solids, Lathe
- SolidWorks 2014 3D CAD Software
- 1 SULLAIR 1109EV 15HP Variable Speed Rotary Screw Air Compressor
- 1 QUINCY QT-10 10HP Air Compressor (As backup)
- 1 ZEKS 75 HSG Refrigerated Air Dryer
- 1 DAREX Model M5 Drill Sharpener
- 1 CLARK GCX17E 2875 lb. Capacity Propane Fork Lift Truck

FACILITY: Approx 24,000 square feet, 24' ceiling, 8' x 8' drive-in & 8' x 8' & 10' x 10' loading dock doors

All machine tools are fully equipped to suit many special needs.

Our CAD/CAM systems operate directly from compatible files of your part solid model and drawing files in virtually all formats.