

BARDONS & OLIVER

CONTRACT MACHINING

5800 HARPER ROAD
SOLON, OHIO 44139

EQUIPMENT LIST

last updated July 15, 2013

440-498-5800 (p)

<http://www.bardonsoliver.biz>

440-498-2001 (f)

MACHINING CENTERS/BORING MILLS

CNC - FERMAT WFT 13

- TABLE TYPE HORIZONTAL BORING MILL
- 118" X 78" X 48"
- LIVE SPINDLE WITH W-AXIS STROKE OF 29"
- 63" X 71" CONTOURING ROTARY TABLE
- 40 POSITION TOOL CHANGER
- SCALES, SPINDLE PROBE
- 30,000 LB TABLE CAPACITY.

CNC - MAKINO A811

- 35" x 32" x 35"
- 300 POSITION TOOL CHANGER
- PROBES, CONTOURING B-AXIS
- 1000 PSI THROUGH SPINDLE COOLANT
- 16 PALLET DUAL LAYER CELL SYSTEM

CNC - K&T ORION-2300

- 98" x 60" x 48"
- 150-POSITION TOOL CHANGER
- PROBES, SCALES
- CONTOURING B-AXIS
- 4-PALLET SHUTTLE
- 48" SQUARE PALLETS
- 12,000 LB CAPACITY

CNC - K&T ORION-2300 (Qty: 3)

- 60" CUBE
- 150-POSITION TOOL CHANGER
- PROBES, SCALES
- 4-PALLET SHUTTLE
- 48" SQUARE PALLETS
- 10,000 LB CAPACITY

CNC - CINCINNATI T-40

- 60"x60"x48"
- 170-POSITION TOOL CHANGER
- PROBES, SCALES
- CONTOURING B-AXIS
- 6-PALLET SHUTTLE
- 9,000 LB CAPACITY

CNC - CINCINNATI HORIZONTAL

- 100" x 60" x 36"
- 360 POSITION B AXIS
- 30-POSITION TOOL CHANGER
- SCALES

CNC - CINCINNATI LANCER 1250

- VERTICAL
- 50" x 30"
- 30-POSITION TOOL CHANGER
- SCALES, THROUGH SPINDLE COOLANT, PROBES

5" DEVLIEG NC HORIZONTAL BORING MILL

- 60" x 72"
- SCALES, POSITIONING CONTROL

4" DEVLIEG NC HORIZONTAL BORING MILL

- 60" x 50"
- SCALES

LATHES

CNC - G&L VERTICAL TURNING LATHE

- 84" SWING - 48" RAM TRAVEL
- 12-POSITION TOOL CHANGER
- TOOL PROBE, PART PROBE
- MOVABLE CROSS RAIL
- 20-TON PART CAPACITY

CNC - NEW CENTURY VERTICAL TURNING LATHE

- 60" SWING, 40" RAM TRAVEL
- 12 POSITION TOOL CHANGER
- TOOL PROBE
- MOVABLE CROSS RAIL
- 10-TON PART CAPACITY

EQUIPMENT LIST - Page 2**LATHES (Cont.)****CNC - NAKAMURA SC-300 HORIZONTAL LATHE**

- 10" x 48"
- LIVE TOOLING
- HIGH PRESSURE COOLANT
- TOOL PROBE
- PART UNLOADER
- AUTOMATIC TAILSTOCK

CNC - MAZAK VERTICAL TURNING LATHE

- 57" SWING DIAMETER
- MAXIMUM WORK PIECE HEIGHT 48"
- MAXIMUM WORK PIECE WEIGHT 15,400LBS
- MOVABLE CROSS RAIL, EQUIPPED WITH AUTOMATIC TOOL CHANGER AND TWO PALLET WORK PIECE SHUTTLE SYSTEM.

CNC - CINCINNATI MILACRON HORIZONTAL LATHE

- 24" CHUCK x 144" TURNING LENGTH
- 36" CHUCKING CAPACITY

CNC - CINCINNATI MILACRON HORIZONTAL LATHE

- 18" CHUCK x 100" TURNING LENGTH
- TOOL PROBE

CNC - CINCINNATI MILACRON HORIZONTAL LATHE

- 12" CHUCK x 80" TURNING LENGTH
- TOOL PROBE

ENGINE LATHES UP TO 25" x 120"**TURRET LATHE 5" BAR CAPACITY****INSPECTION EQUIPMENT****TEMPERATURE-CONTROLLED METROLOGY ROOM****CNC LK G80KC COORDINATE MEASURING MACHINE**

- SOLID MODEL IMPORT & PROGRAMMING
- CAPABILITY 120" X 80" X 60"
- 30,000 LB. CAPACITY

SHEFFIELD APOLLO COORDINATE MEASURING MACHINE

- CAPABILITY 40" X 48"
- 3,000 LB. CAPACITY

FEDERAL ELECTRONIC LEVELING SYSTEM**RENISHAW BALL BAR MACHINE INSPECTION HARDWARE AND SOFTWARE.****HAMMAR SPINDLE ALIGNMENT LASER AND SOFTWARE.****KELCH CNC TOOL PRESETTER****TOOLROOM****ASSEMBLY****PRECISION GRINDING****MILLS: VERTICAL & PRODUCTION****12,000 SQ. FT. ASSEMBLY BAYS****CNC OD GRINDERS TO 22" x 96"****DRILL PRESS****CRANE CAPACITY TO 14 TONS****ID GRINDERS TO 40"****BANDSAWS TO 36"****HIGH-PRESSURE HOSE ASSEMBLY****UNIVERSAL GRINDERS TO 18" x 72"****HONE****ELECTRICAL PANEL BUILDING****SURFACE GRINDERS TO 24" x 50"****WELDING: ARC, OX-ACT, TIG****ELECTRICAL CABLE ASSEMBLY****KEYWAY CUTTING****HYDRAULIC TUBE BENDING****SUB-ASSEMBLY AREA**

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| MISCELLANEOUS | PLANT | ENGINEERING TOOLS |
|--------------------------------------|---|---|
| PAINT SHOP | MODERN ONE-STORY BRICK AND BLOCK | AUTODESK INVENTOR 3D SOLIDS |
| SAND BLASTING | EPICOR MRP MANUFACTURING SOFTWARE | CADD/CAM SYSTEM |
| WOOD SHOP | WELL-LIGHTED, EPOXY FLOORS | MASTER CAM VERSION X2 SOLIDS |
| PART CLEANING & DEBURRING | TOTAL BUILDING - 100,000 SQ. FT. | NETWORKED PC SYSTEM |
| | 30 MINUTES FROM CLEVELAND HOPKINS INTERNATIONAL AIRPORT | DNC COMMUNICATION TO MACHINING CENTERS |
| | LOCATION CENTRAL TO LOGISTICAL RESOURCES - TRAIN LINES, LAKE ERIE BARGES, OHIO TURNPIKE (I-80), MAJOR HIGHWAYS | TDM SYSTEMS TOOL MANAGEMENT SOFTWARE |