Machine Shop Equipment

Mills

South Bend-Vernier Universal knee and column milling machine
Model FV-3-T-0
Combination Horizontal and Vertical mill
12"x47" Table
X-Y axis digital readout
Dividing Head
Rotary Table

HAAS VF-3 CNC Mill
20HP Motor
Vector Dual Drive
10,000 RPM Max Spindle Speed
48"x18" Table
40"x20"x25" Travel
25-Tool Changer

Wells Index Model 747 Vertical Mill
X-Y-Z Digital Readouts
Power X-Y Feed
1.5HP Motor
80-4200 RPM Spindle Speeds
9"x46" Table

Acer Vertical Mill
Manual or CNC
MILLPWR ACU-RITE Control
POWER Travel (XYZ) 30"x12"x6"

Grizzly Industrial Model G1126 Vertical Mill
X-Y Digital Readout
Power X-Feed
1.5HP Motor
60-3000 RPM Spindle Speeds
Maximum 16" From Spindle To Table
9-1/2"x32" Table
24"x9" Travel

Tung Hsing Model TUM-1 Vertical Mill
X-Y Digital Readout
2HP Motor
80-2720 RPM Spindle Speeds
Lathes

Romi M17 CNC Lathe
Spindle speed variable from 4 to 4000 RPM
10HP motor
Auto Lube for Guideways
Complete Coolant System
40" Between Centers
16.9" Swing over Bed
8" Swing Over Cross Slide

Clausing-Colchester 600 Group Manual Lathe
7.5HP Motor
15.7" Swing Over bed
50" Between Centers
9.7" Swing Over Cross Slide
23" Swing In Gap
25-2000 RPM Spindle Speeds
Quick Change Tooling
2-56 Threads per inch
0.2-14mm Metric Thread Pitches

Clausing-Colchester 8000 Series Lathes (3)
13" Swing Over Bed
36" Between Centers

Drill Presses

Rockwell Drill Press
3/4 HP Motor
425-5500 RPM
1/2" Chuck

Clausing Drill Press
150-2000 RPM Spindle
1.5 HP Motor
1/2" Chuck
**Saws**

**Powermatic 26" Vertical Band Saw**
- 25.5" Width Capacity
- 12" Thickness Capacity
- Speed Variable From 35-4500 FPM
- 30"x30" Table
- Table Tilt to 45 degrees

**Wellsaw Model 8 Horizontal Band Saw**
- 90 degrees Cut Capacity Rectangular 16"W x 9"H
- 90 degrees Cut Capacity Round 9" Diameter
- 45 degrees Cut Capacity 8.75"W x 9"H

**Do-All Model 26 Band Saw**
- 26" Maximum Width Capacity
- Speed Variable From 35-1600 FPM
- Blade Welder/Grinder

**Sanders/Grinders**

**Rockwell/Delta Belt Sander**
- Stationary 6" Belt Sander

**Powermatic Model #30 Sander**
- Belt/Disc Combination Sander
- 12" Diameter Disc
- 6" Wide Belt

**Powermatic Grinder**
- 1 HP motor
- 1800 RPM
- 8" Grinding Wheels

**Kalamazoo Industries 1 Belt Sander**
- 1725 RPM Motor
- 1/3 HP Motor

**Brown & Sharpe Surface Grinder**
Welders

Lincoln SP-125 Plus Wire-Feed Welder
24ga. to 5/16" Steel Capacity
Adaptable For Stainless Steel and Aluminum

Lincoln Square Wave TIG-355 Welder
TIG or Stick Capable
40% Duty cycle at 350 Amps
100% Duty Cycle at 220 Amps
Maximum Open Circuit Voltage of 80V
Current Range of 2-400 Amps AC&DC

Lincoln Power MIG 255 Welder
Capacities:
Steel 22ga. to 5/16"
Stainless Steel 16ga. to 5/16"
Aluminum 1/8" to 5/16"
40% Duty Cycle @ 250 Amps 26V
60% Duty Cycle @ 200 Amps 28V
100% Duty Cycle@ 145 Amps 26V
Current Range 30-300 Amps
Maximum Open Circuit Voltage 40V
Welding Voltage Range 10-28V

Miller XMT 350 CC/CV
350 Amps at 60% Duty Cycle
425 Amps Maximum
MIG, TIG, or Stick Capable

Victor Welding/Cutting Torch Set
Oxygen/Acetylene Fuel
Portable CMM
FARO Arm, Edge 6 ft
7-axis
Laser Line Probe non-contact scanner

Rapid Prototype Machine
Stratasys Fortus 400mc
Build envelope (XYZ) 16"x14"x16"
Achievable Accuracy +/-0.005 "

Dake Manual Hydraulic Press
50 Ton
32"x42" Opening

RMD Tubemaster Electric Pipe/Tubing Notcher
Model #800
1/2" Diameter to 3" Diameter Capacity

RMD Electric Tube/ Pipe Bender
Model #300-220-S
1/2" to 2-3/8" Diameter Capacity (Depending on Material/Thickness)

FAB-11 Hydraulic Press Brake
50 Ton Hydraulic Ram
60" Capacity
Up To 10 Gauge Thickness

FAB-11 Gator Shear Hydraulic Metal Shear
50" Width Capacity
Cuts Up To 11 Gauge

Miller Spectrum 625 DC Plasma Cutter
40 Amps @ 50% Duty Cycle
1/2" Cutting Capacity

B&B Systems Plasma Table
4'x8' Table
Hypertherm Powermax 1650 G3 Series Plasma Cutter
THC-301d Torch Height Control
VcarvePro/SHEETCAM Software