

Facilities List

Wire E.D.M.

1 Mitsubishi – Model DWC200H
Table travel 15.8" x 29.6"
Maximum thickness with taper 18"
Maximum thickness without taper 24"
Maximum workpiece weight 2,095 lbs.
Complete independent 4-axis control
Tapering to ± 26 deg.

1 Fanuc – Model P
Table travel 13.7" x 9.8"
Maximum thickness with taper 7.8"
Maximum thickness without taper 15.75"
Maximum workpiece weight 352 lbs.
Complete independent 4-axis control
Tapering to ± 20 deg.

1 Fanuc – Model M
Table travel 13.7" x 19.75"
Maximum thickness 7.9"
Maximum workpiece weight 660 lbs.
Complete independent 4-axis capability
Tapering to ± 20 deg.

2 Fanuc – Model O
Table travel 7.8" x 9.8"
Maximum thickness 5.9"
Maximum workpiece weight 220 lbs.
Complete independent 4-axis control
Tapering to ± 20 deg.

1 Hitachi – H-cut 203
Table travel 12.5" x 9.8"
Maximum thickness 6.3"
Maximum workpiece weight 440 lbs.
Complete independent 4-axis control
Tapering to ± 20 deg.

Conventional E.D.M.

1 Cincinnati Cintrojet T-IV with dual 100-AMP Solid State Power Supply

1 Ingersol – Model 200B with 30-AMP Solid State Power Supply

Laser

1 Photon Versa-Lase V500 CO2 Laser Cutting System

CNC Machining Centers

1 Hardinge T51 Conquest Turning Center Sub-Spindle, Hydro Barfeed to 2½" diameter, turning capacity to 17" diameter

1 Hardinge T42 Conquest Turning Center Sub-Spindle, Hydro Barfeed to 1 5/8" diameter, turning capacity to 8" diameter

1 Mori Seiki MV-40M Vertical Machining Center
Pallet system, built-in indexer and a 22" x 16.1" x 18.1" Machining Envelope

1 Mori Seiki MV-40M Vertical Machining Center
22" x 16.1" x 18.1" Machining Envelope

1 Mori Seiki MV-65 Vertical Machining Center
Pallet System, 60" x 25.0" x 25.0" Machining Envelope

1 Mori Seiki SL-25 Turning Center
Chuck Machine, 17" turning capacity

1 Puma 350 Turning Center
22" Turning Capacity; 40 H.P. gear driven

1 Saeilo Mach 3A Horizontal Machining Center with Pallet System and Rotary Table

1 Maho MH600 EL Horizontal/Vertical Machining Center

Lathes

6 Lathes with capacity up to 21" swing by 60" between Centers with Digital Readouts

Grinding and Lapping

1 Chevalier 16" x 28" fully automatic Surface Grinder

1 Okamoto model ACCUGAR – 124N
12" x 24" automatic Surface Grinder

1 Okamoto 6" x 12/14" precision Surface Grinder

1 Thompson Model 2F 8" x 24" automatic Surface Grinder

1 Clausing Mod 4020 15" x 22" hydraulic Surface Grinder

3 Sharp 6" x 18" Precision Surface Grinders

1 Kent Model KGS-200 Precision Surface Grinder

Blanchard Grinder Model 11

2 Covel 6 x 12 Precision Surface Grinder

1 Sunnen Honing Machine Model MBB-1600 JIC

Grinder related accessories, index & wirl jigs etc.

Milling

1 Fil Model FU-120 Horizontal/Vertical Milling Machine
60" x 24" x 24"

12 Bridgeport Milling Machines with Digital Readouts

1 Van Norman Horizontal Milling Machine #12

Lucas 3" Boring Mill
24" x 40" table

DRILLS

1 Cincinnati 8" Column x 3' Radial Drill Press

1 Powermatic model 1200
4" column x 12" drill press

Saws

1 Amada HA-250 Automatic Horizontal Cut-Off Band Saw
10" capacity with barfeed

1 Do All Model 3613-0 Vertical Band Saw

2 Johnson Model J Horizontal Cut Off Band Saws

Presses

1 Komatsu Model OBS200-3
220 Ton x 9.8 Stroke Mechanical Gap Frame Press with 18" wide Servo Roll Feed

1 Aida
176 Ton x 7.87" Stroke
Mechanical Press with 80" x 30" Bed with 24" wide Littell Roll Feed

1 Bliss
150 Ton x 10" Stroke
Mechanical Press with 63" x 26" Bed

1 Rousselle Model 10
110 Ton x 3" Stroke OBI Mechanical Press with 12" wide Servo Roll Feed

1 Rousselle
110 Ton x 8" Stroke
Mechanical Press with 39" x 24" Bed

1 Minister Model 70-4
60 Ton x 4"

1 Rousselle Model SS72
60 Ton x 4" Stroke Straight Side

5 45-Ton Mechanical
Stroke from 2.5" to 5"
Bed up to 42" x 24"

3 40-Ton Mechanical
Stroke from 4" to 6"
Bed up to 26" x 16"

5 5-Ton Mechanical
Stroke 3"
Bed up to 24" x 10.5"

1 Gatti-Power Square Shear 48" x 1/8"

Complete decoiling, stock feeding, vibratory deburring, pressure blasting and tumbling facilities

Press Break

1 Amada
80 Ton x 101" Length
3/16" max at full length

1 KR Wilson 40 Ton Four-Post Hydraulic Press

Inspection and Quality Control

1 Mitutoyo Model B504 Coordinate Measuring Machine with QC 5000 Software

1 Gage Master Series 20 GM4 Optical Comparator

1 J&L Model PC14 Optical Comparator 10X, 20X, and 50X

1 Titan Toolmaker's Microscope

1 Rockwell Hardness Tester

SPC Analysis Capability

Full range of micrometers, intra-mikes, gage blocks, gage pins, surface plates and other measuring and checking instruments. Controlled under the ISO 9000 requirements.

Miscellaneous Services

Welding - Tig

Heat Treat Ovens

3 Thread Rollers - up to 4"

Engineering and R&D

5 CAD/CAM Workstations with Master CAM, CADKEY & AutoCAD Software, 3D Capabilities

1 Hewlett Packard Plotter

1 D.N.C. Interface System
