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CLOSE TOLERANCE WORK

.0003 thru .020 tolerances

MANUFACTURING PROCESSES

Sawing	EDM
Welding/Weldments	Surface Grinding
Turning	O.D.I.D Grinding
Threading	Jig Grinding
Boring	Heat Treating
Milling	Plating
Drilling	Sandblasting
Tapping	Painting

MATERIALS MACHINED

Mild Steel	Brass
Alloy Steel	Plastics
Tool Steel	Stainless Steel
Aluminum	Copper
Cast Iron	Magnesium

MACHINING CENTERS

1- HAAS VF-4 VERTICAL MACHINING CENTER

X Axis 50" Travel
Y axis 20" Travel
Z axis 25" Travel
18" x 52" Table

1- HAAS VF-2 VERTICAL MACHINING CENTER

x Axis 30" Travel
y Axis 16" Travel
z Axis 20" Travel
14" x 36" Table

VERTICAL MILLING MACHINES

1 - TRAK DPM 3 AXIS CNC

x Axis 31" Travel
y Axis 17" Travel
10" x 50" Table

3 - TRAK K 3 2 AXIS CNC KNEE MILL

x Axis 32" Travel
y Axis 16" Travel
10" x 50" Table

4 - BRIDGEPORT MILLS

Readouts
30" x Axis
12" y Axis

HORIZONTAL BORING MILLS

54K96 DEVLIEG JIG MILL CNC

WITH ALLEN BRADLEY 9/SERIES CONTROL
96" HORIZONTAL TRAVEL
72" VERTICAL TRAVEL
5" DIAMETER SPINDLE
40" X 96" TABLE
50" X 60" CINCINNATI GILBERT AIR LIFT
TURNTABLE

43H72 DEVLIEG JIG MILL CNC

with Heidenhain Control
TNC – 310 Control
72" Horizontal Travel
60" Vertical Travel
4" Diameter Spindle
35" x 72" Table
26" x 26" DeVlieg Air Lift Turntable

43K72 DEVLIEG JIG MILL CNC

with Heidenhain Control
 TNC – 310 Control
 72" Horizontal Travel
 48" Vertical Travel
 4" Diameter Spindle
 35" x 72" Table
 30" x 40" DeVlieg Air Lift Turntable

117 SUPER MILL (Horizontal Floor Type)

Boring Mill
 144" Horizontal Travel
 70" Vertical Travel
 4" Diameter Spindle, 36" Travel
 47" x 142" Table

TURNING MACHINES

TRAK TRL 1840 CSS CNC LATHE
 18" Swing Over Bed
 9" Swing Over Cross Slide
 40" Max. Work Piece Length
 Equipped with 3 Jaw Chuck
 Collect Chuck

LEBLONG REGAL ENGINE LATHE

18" Swing Over Bed
 12" Max. Swing Over Cross Slide
 72" Max. Work Piece Length

LION CHMT ENGINE LATHE

20" Swing Over Bed
 12" Max. Swing Over Cross Slide
 40" Max. Work Piece Length

PRATT & WHITNEY ENGINE LATHE

16" Swing Over Bed
 10" Max. Swing Over Cross Slide
 54" Max. Work Piece Length

GRINDING MACHINES**MATTISON SURFACE GRINDER**

14" x 60" Magnetic Chuck
 13.5" Max. Grinding Height

**BROWN AND SHARPE
SURFACE GRINDER**

10" X 30" Magnetic Chuck

NORTON SURFACE GRINDER

6" x 18" Magnetic Chuck
 9" Max. Grinding Height

NORTON O.D. GRINDER

14" Max. Dia. Swing
 36" Max. Grind Length

NORTON SURFACE GRINDER

8" x 24" Magnetic Chuck
 9.25" Max. Grinding Height

PARKER MAJESTIC MODEL #1 I.D. GRINDER

12" Max. Dia. Swing
 24" Table Travel
 5" x 42" Table

SUNNEN HONE MBB-1250**INSPECTION EQUIPMENT****BROWN AND SHARPE TESE-HITE
ELECTRONIC DIGITAL**

Height Gage 24"
 36" x 60" Granite Surface Plate
 Digital Height Gages
 Micrometers
 Gage Blocks
 Bore Gages
 Cylinder Square
 Wilson 3JR-BB Rockwell Hardness Tester

BROWN AND SHARPE MODEL 2000 CMM**TOOLING & SUPPORT EQUIPMENT**

30" x 40" DeVlieg Airlift Rotary Table
 26" x 26" DeVlieg Airlift Rotary Table
 50" x 60" Cincinnati Gilbert Airlift Rotary
 Table
 20" Dia. Airlift Rotary Table
 32" x 32" Rotary Table
 12" x 18" Rotary Table
 Angle Plates
 Vee Blocks
 Right Angle Heads
 Angle Vise
 Bridgeport Shaping Attachment 3.5" Stroke
 16' x 30" (2) pc. DeVlieg Angle Plates Set

TRANSPORTATION EQUIPMENT

Chevy 2500 HD Pickup
 16 ft. Flat Bed Trailer

MATERIAL HANDLING

5 Ton Jib Crane
 3 Ton Jib Crane
 Forklift 3000 lbs.
 Forklift 8000 lbs.
 (2) 5 Ton Bridge Cranes

FABRICATING EQUIPMENT

Miller Deltaweld 300 Wire Welder
Lincoln R3S-250 Wire Welder
Lincoln 350 amp Arc Welder
Miller Thunder Bold ac/dc Welder 230 amp
Gas Welder
4 ft. x 8 ft. Steel Weld Table with Angle Plates
Kalamazoo Horizontal Band Saw 8" x 15"
Roll-in Vertical Band Saw 14 ½" x 9" Capacity
Vertical Band Saw 12" x 34"
Everett Cut-Off Saw 16"
Dake Arbor Press 1 – 1/2B 3 Ton
Vertical Hydraulic Press 20 Ton
Ridgid Pipe Threading Machine 2" Cap
20" Disc Sander
Belt Sander 4" x 16"
Cabinet Sandblaster 38" x 48" x 30"
15 hp. Air Compressor
10 hp. Air Compressor
(2) 8" Bench Grinders
4 ½" Angle Grinders
9" Angle Grinder
Misc. Air Grinders
1 Ton Jib Crane

