

FACILITIES

Building – 75,000 Sq. Ft.
Manufacturing – 38,000 Sq. Ft.
Assembly Floor – 28,000 Sq. Ft.

COMPUTER - CAD/CAM

- Solidworks
- AutoCAD
- CAMWorks Machining and Production Turning Software
- EPICOR ERP

5 AXIS CNC MACHINES

2 - Mazak Variaxis i-700

- (1) Dual Pallet, (1) Single Pallet
- 25 X 43 X 23
- 120° (A) X ± 360° (C)
- 18000 RPM, 30 HP Spindle
- 80 Tool ATC

2 - Mazak Variaxis 630 – 5XII

- 25 X 30 X 21
- 120° (A) X ± 360° (C)
- 12000 RPM, 30 HP Spindle
- 40 Tool ATC

CNC HORIZONTAL BORING MILLS

SNK/NISSIN BP130-3.5

- 137" (X) x 98" (Y) x 90" (Z)
Combined Z&W
- Table 86" x 63", 22,000 # Capacity
- 35 HP Spindle, 2500 rpm
- 60 Tool ATC Storage

Toshiba BTD-200QH

- 59" x 47" x 28"
- 40 HP - 5000 RPM Spindle
- 30 Tool ATC
- Renishaw Probe

CNC HORIZONTAL MACHINING CENTERS

Okuma MA-600HBII Space Center

- 39.4" (X) x 35.4 (Y) x 39.4" (Z)
- 40 HP – 12000 RPM Spindle
- Thru Spindle Coolant
- Renishaw Probe
- 60 Tool ATC

Mazak Nexus 8800-II

- 31.5" (X) x 39.4 (Y) x 31.5" (Z)
- 50 HP – 8000 RPM Spindle
- Thru Spindle Coolant
- 60 Tool ATC

Makino MCB1210

- 49" (X) x 39.5" (Y) x 39.5" (Z) Travel
- 30 HP AC Spindle; 4,000 RPM
- 60 Tool ATC

2 – Okuma MA-60HB

- 39.4" (X) x 31.5" (Y) x 31.9" (Z)
- 30 HP – 5,000 RPM Spindle
- Thru Spindle Coolant
- 40 Tool ATC

CNC VERTICAL MACHINING

2 – Okuma Millac 1052V

- 81" (X) x 42" (Y) x 31" (Z) Travel
- 6,000 RPM 30/25 HP Spindle
- Renishaw Probe
- 36 Tool ATC

Okuma Genos M560V

- 41" (X) x 22" (Y) x 18" (Z) Travel
- 8,000 RPM 15/10 HP Spindle
- 20 Tool ATC

Mori Seiki Dura Vertical 5100

- 41" (X) x 21" (Y) x 20" (Z) Travel
- 10,000 RPM 20/15 HP Spindle
- 30 Tool ATC
- (1) with Mori 4th Axis

Haas VF-7 Four Axis Machining Center

- 32" (X) x 84" (Y) x 30" (Z) Travel
- 30 HP - 5000 RPM Spindle
- 30 Tool ATC
- 4th Axis Rotary Head and Tail Stock

3 - Haas VF-2

- 30" X 16" X 20"
- 10 HP - 8000 RPM Spindle
- 20 Tool ATC

CNC LATHES

Toshiba TUE-150 VTL

- 78" Swing
- 78" Turning Diameter X 61" Turning Height
- Hydraulic Chuck
- 10 ATC

Samsung SMEC SLV800M RH VTL

- 34" Swing
- 31" Turning Diameter X 31" Turning Height
- Hydraulic Chuck
- 10 Tool ATC

O-M CNC TM2-10N VTL

- 53" Swing
- 43" Turning Diameter X 24" Turning Height
- 39" Hydraulic Chuck
- 5 Side Indexing Turret

Milltronics ML35

- 35" Turning Diameter w/6" Bore
- 120" Lg.
- 35 HP

CNC LATHES-con't

2 - Haas ST30

- 31" Swing
- 26" between centers
- 30HP

INSPECTION EQUIPMENT CMM'S

Leica Absolute Tracker AT500

- Leica B-Probe & Reflectors
- +/- 60M range
- PC-DMIS Software

Hexagon Global Advantage CMM

- 59" x 86" x 40" Travel
- Renishaw PH10Q Probe Head
- Renishaw TP200 Touch Probe
- PC-DMIS Software

Sheffield Endeavor2 CMM

- 80" x 48" x 40" Travel
- Renishaw PH10Q Probe Head
- Renishaw TP200 Touch Probe
- PC-DMIS Software

G&L 150 CMM

- 80" x 50" x 40" Travel
- Renishaw PH10Q Probe Head
- PC-DMIS Software

WIRE EDM

Mitsubishi MV2400S Wire EDM

- 24" X 47" x 27.5" x 15.75" (4409 lbs) Workpiece Capacity
- 27.5" x 15.75" x 15.75" Axis Travel
- Taper Angles up to 30 Degrees
- Glass Scales .0001" Resolution
- Automatic Wire Threading/Rethreading

GRINDING EQUIPMENT

Oakamoto ACC-2860DX Surface Grinder

28" X 60" X 20" Automatic Surface Grinder

Oakamoto ACC-16-32DX Surface Grinder

16" X 32" X 12" Automatic Surface Grinder

2 - Oakamoto ACC-6.18DX3 Surface Grinder

6" X 16" X 10" Automatic Surface Grinder

Karstens ASA/900 Hydraulic

- Cylindrical Grinder, w/Internal Grind Attachment
- 12" Swing X 36"

2 - Mitsui 6" x 18" Surface Grinder

Brown & Sharpe "MASTER" Model 618

Brown & Sharpe 6" x 12" Surface Grinder

2 - No. 3 Moore Jig Grinders

Myford 5" x 12" Cylindrical Grinder

Pratt & Whitney Dia-form Wheel Forming Attachment

3D Printer (Additive Manufacturing)

uPrint SE ABS 3D Printer (8" x 6" x 6")

LATHES

Hardinge Super-Precision Tool Room Lathe w/Acu-Rite III Digital Readout

Makino 15" Regal Servo-Shift Engine Lathe w/Sony Digital Readout

Nardini MS1440E 14" x 40" Tool Room Lathe

MILLING MACHINES

9 - Bridgeport and Sharp Vertical Milling Machines

WELDING EQUIPMENT

Miller Syncrowave 350 Welding Machine; AC/DC 350 Amp; Tig Welder

Lincoln IDEALARC SP-250 Mig Welder

OTHER EQUIPMENT

Scherr-Tumico 30" Optical Comparator with 10X & 20X lenses; Power Table Travel X and Y Axes; Surface Illumination

OGP Optical Comparator XL-14S w/10X 20X 50X Magnification Quandra-Check II Digital Readout

DIE TRYOUT PRESSES

Ahaus Hydraulic Press, 25 Ton

Ahaus Hydraulic Press, 50 Ton

PAINT BOOTH

16' x 20' Paint Booth - 22,470 CFM

- 1 - HVLP Gun System
- 1 - Randsburg Series II Electro Static Gun System

CRANES

(3) 10 TON Cranes on assembly floor

1 TON to 5 TON Cranes throughout shop & assembly areas