

EXPEDITE PRECISION WORKS' EQUIPMENT LIST

CNC MILLS

- 1 Matsuura Horizontal
H-Plus-405 10 Pallet Cell System
12,000 Spindle RPM, 240 Tool Magazine
Travel X, Y, Z 600MM
Renishaw Part Probe
1000 PSI Thru Spindle Coolant System
Laser Broken Tool Detection System

- 1 MATRIX XR510, High Precision/High Speed Vertical Machining Center, 24,000 RPM
Spindle Temperature Control Unit
Travel 20" X, 15.7 Y", 16" Z
Full 4th Axis
2362 IPM Rapid X Axis, 1890 IPM X/Y Axis
21 ATC
AICC II Contour Control

- 1 Haas VM2, High Precision/High Speed Vertical Machining Center, 15,000 RPM
Travel 30"X, 20"Y, 20"Z
Full 4th Axis Rotary Table
Wireless Intuitive Probing System

- 3 Haas Super VF-2 12,000 RPM
Travel 30"X, 16"Y, 20"Z
HA5C Indexer capabilities (4th Axis)

- 1 Fadal VMC 6030 10,000 RPM
Travel 60" X, 30"Y, 30"Z
Full 4th Axis Rotary Table

- 1 Fadal VMC 4020 10,000 RPM
Travel 40" X, 20"Y, 20"Z

- 1 Fadal VMC 4020 10,000 RPM
Travel 40" X, 20"Y, 20"Z
Full 4th Axis Rotary Table

CNC LATHES

- 1 KIA Turn 21
20 HP, 4,000 RPM
8" Chuck, Travel X/Z 6.27" x 16.93"
Max Swing 14.7", Bar capacity 1.75"

- 1 KIA Super Turn 21
20 HP, 4,000 RPM
10" Chuck, Travel X/Z 8.27" x 16.93"
Max Swing 21.7", Bar capacity 2.56"

- 1 KIA KIT 450 6,000 RPM
6" Chuck, Travel X/Z 17.7" x 11.8"
Gang Tooling

- 1 HYUNDAI WIA
20 HP, 3000 RPM
10" Chuck, Travel X/Z 8.27" x 21.7"
Max Swing 21.7", Bar capacity 3.00"
Programmable Tailstock

- 1 HYUNDAI WIA
20 HP, 4000 RPM
8" Chuck, Travel X/Z 8.27" x 21.7"
Max Swing 21.7", Bar capacity 3.00"
Programmable Tailstock
LNS ECO Load Magazine Bar Feeder

CNC SCREW MACHINES

- 1 STAR SR20RIV-B
Full B axis with 3 Front Milling and 3 Rear Milling Units
With Live Tooling
Full C Axis with Sub Spindle and Broken Tool Detector
12' LNS Super Hydro Bar - Ø 20MM Bar capacity

- 1 STAR SR20R
1° Indexing, Live Tooling, Ø 20MM Bar capacity
With Sub Spindle and 12' LNS Super Hydro Bar

- 2 STAR SR20RII
Full C Axis, Live Tooling, Ø 20MM Bar capacity
With Sub Spindle and 12' LNS Super Hydro Bar

2 STAR SB16

Full C Axis, Live Tooling, Ø 16MM Bar capacity
With Sub Spindle

1 with 12' LNS Super Hydro Bar

1 with 12' LNS TRITON-112 Magazine Bar Feeder

1 NOMURA NN-20J

2 Full C Axis

Live Tooling, Ø 20MM Bar capacity

Independent "Y" axis sub-spindle

12' LNS Super Hydro Bar

4-port high pressure coolant (2000 PSI) with a mist buster

CNC WIRE EDM

1 Sodick AQ325L

Full 4th Axis

With Auto wire threading system

Travel 13.7"X, 9.8"Y, 8.6"Z

CNC ROUTERS

2 Stratos CNC Routers

18,000 RPM Spindles

With Automatic Tool Changers

48"X96" Working Surface, With Vacuum Chucks

VACUUM / PRESSURE FORMER

Gpm Dual Station

Shuttle Vacuum/Pressure Former

Max Mold Size 36" x 54"

Draw Depth 24"

Top Oven Zones 4

Bottom Oven Zones 4

Top & Bottom Platen Drive Air Actuated

Locking Platens for Pressure Forming

Relay Timer Controller

MANUAL MILLS

2 Sharp Mills
With Acu-Rite NC Controls
Travel 20"X, 9"Y, 18" Z

1 Sharp Mill
With Acu-Rite NC Controls
Travel 27"X, 15"Y, 21" Z

MANUAL LATHES

1 Victor Precision Tool Room Lathe
With Digital Readout

1 Osama Sr Engine Lathe
10.0" Chuck, Travel X/Z 17.0" x 30.0"
Gap Bed, 21" Max Swing
With Digital Readout

SURFACE GRINDING

1 Kent Three Axis/Hydraulic
Travel 18"X, 8"Y, 9.5"Z
With Digital Readout
With Electro-Magnetic Chuck

1 Kent Tool Markers Grinder
Travel 15"X, 8"Y, 10.0"Z
With Digital Readout
With Magnetic Chuck

LASER WELDING

Laserstar Industrial Workstation - G3 (90°)
1900 Series - 80 Watt - 150 Joule - Touch Screen Edition
Integrated Pulse Suppression, Advanced P3
Supply Curcuit: 208-240v (+/- 5%), 50/60-Hz, 20 Amp, Single Phase
Platform: Pedestal With Automation Chamber
Motion Device - Rotation Module (Welder)
Features: 5 Axis Manual Adjustment (X,Y,Z,C, & Theta)
Motorized Rotation With Footswitch Integration Control
Soft-Touch Resonator - Generation 2

INSPECTION EQUIPMENT

Brown & Sharpe CMM

Model: Gage 2000

Software used: Reflex version 2.4 or higher

Measurement Capacity: 18"X, 20"Y, 14"Z

Mitutoyo CNC CMM

Model: Crysta Apex C9106

Software used: MCosmos Edition 6 (Measurement Software)

Measurlink Version 6.0 (SPC Software)

Measurement Capacity: 35.50"X, 39.50"Y, 20.00"Z

Mitutoyo CNC CMM

Model: Crysta Apex C574

Software used: MCosmos Edition 6 (Measurement Software)

Measurlink Version 6.0 (SPC Software)

Measurement Capacity: 19.88"X, 27.75"Y, 15.94"Z

Optical Comparator w/ Digital Readout

Deltronic DH214 (14" Screen)

0.0001" Resolution Digital Readout

Profile and Surface Illumination

Measurement Capacity: 10.00"X, 6.0"Y

Optical Comparator w/ Digital Readout

Micro View (14" Screen)

0.0005" Resolution Digital Readout

Profile and Surface Illumination

Measurement Capacity: 10.00"X, 6.0"Y

Instron 3345 Single Column Testing System

Can perform Tensile, Compression and Shear Testing

5kN (1125 lbf) capacity with 100:1 force range

1123 mm (44.2 in) vertical testing space

Bluehill Lite Machine Control and Data Acquisition Software