



**York Precision**  
**MACHINING & HYDRAULICS**

## **EQUIPMENT LIST**

York Precision Machining & Hydraulics, LLC  
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## **CNC EQUIPMENT HIGHLIGHTS**

### **OKUMA CNC LATHE**

49.21" between centers  
24" dia. turning capacity; 0 – 4-1/2" dia. steady rest  
12 Position live tooling capability  
Thread milling capability Interfaced to DNC Shop Floor Network  
3-D Graphics

### **OKUMA CNC LATHE**

60" between centers,  
22" dia. turning capacity, 0 – 8" steady rest  
12 stations interfaced to DNC shop floor network

### **OKUMA FLAT BED CNC LATHE**

236" between centers  
43" dia. swing, 27" dia. swing over the carriage  
2 turrets, 8 stations each  
Steady rests from 6" – 22.5" dia.  
Interfaced to DNC shop floor network

### **OKUMA DOUBLE COLUMN MACHINING CENTER**

Travels: "X" – 157.48", "Y" – 78.75", "Z" – 17.72" w/45.28" of crossrail travel  
70 tool capacity, 4 axis  
30 RPM to 6000 RPM  
5 face machining capability  
Auto gauging  
Auto tool breakage detection  
NURBS technology  
Thru the spindle coolant  
DNC w/500 MEG memory

### **VISION WIDE DOUBLE COLUMN VERTICAL MACHINING CENTER**

Travels: "X" – 165.35", "Y" – 90.55", Z – 36.22"/40.16"  
Spindle: Nose to Table – 5.9" – 42.13", Center to Column – 15.35", Distance Between Columns – 94.49"  
Spindle Speed: 50~4500/6000 RPM  
Tool Storage Capacity: 60 Options  
Machine Options: X,Y,Z Scales; Coolant Through Spindle; 4<sup>th</sup> & 5<sup>th</sup> Axis Electronics; Oil Skimmer; Mist Coolant Cutting System; Manual 90° Head; Manual Universal Head; Semi-Autohead; Programmable 5° Right Angle Head; 200 or 300 mm Riser Block; Tool Touch Probe; Spindle Probe

### **OKUMA HORIZONTAL MACHINING CENTER**

Travels: "X" – 39.37", "Y" – 35.43", "Z" – 39.37"  
60 tool capacity, CAT 50  
2 Pallets each 600 MM Square  
"B" Axis 1 degree increments  
6000 RPM spindle  
Auto gauging  
Auto tool breakage detection  
Thru the spindle coolant

**CNC EQUIPMENT** - Cont'd.

OKUMA VERTICAL MACHINING CENTER  
20 Tools

(2) OKUMA CNC LATHE  
19.68" between centers  
12.20 dia. turning capability  
Barfeed Interface  
Parts Catcher

**INSPECTION EQUIPMENT HIGHLIGHTS**

MAGNAFLUX MAGNETIC PARTICLE  
INSPECTION UNITs (2)  
and DEMAGNETIZER

ZEISS COORDINATE MEASURING MACHINE  
28" x 48" Table, SPC Package Program  
Calypso Software, Full scanning capability

JONES & LAMSON OPTICAL COMPARATOR  
30" w/digital Readout and Quadra Check

MITUTOYO – SURFACE ROUGHNESS TESTER  
w/Printer

HAWKEYE PRECISION BORE SCOPE  
Six Decimal Place Reading

ZEISS MICROSCOPE

SPI DIGITAL HARDNESS TESTER  
PORTABLE HRC

2 GRANITE SURFACE PLATES,  
Rahn 60"x120"x16' and 36"x60'x9.5"

and a variety of other equipment and capabilities

**MATERIAL HANDLING HIGHLIGHTS**

YALE THREE-STAGE STACKER, Electric

CLARK PROPANE OPERATED FORK LIFT TRUCK

4' x 4' TOLEDO PLATFORM SCALE

1-TON ACCO ELECTRIC HOIST Mounted on Jib Arm

(2) 1-1/2-TON WRIGHT ELECTRIC CHAIN HOIST  
Mounted on Jib Arm

**MATERIAL HANDLING** - Cont'd.

(2) 1-1/2 TON ACCO ELECTRIC CHAIN HOIST  
Mounted on Jib Arm

2-TON ACCO ELECTRIC CHAIN HOIST  
Mounted on Jib Arm

1-TON HITACHI ELECTRIC CHAIN HOIST  
Mounted on Jib Arm

10-TON SHAW BOX OVERHEAD BRIDGE CRANE (2 EA.)  
Double Girder, Soft Touch Controls 50' Span

Safety First: Cranes and hoists throughout facility, including each work area,  
with proper training and maintenance. No employee manually lifts over 15 lbs.

**MACHINE SHOP HIGHLIGHTS**

DOALL VERTICAL BAND SAW,  
With Butt Welder and Tilting Table

60-TON YORK PRECISION MACHINING & HYDRAULICS (YPMH) HYDRAULIC FORCING FIXTURE

HONING UNIT, Maximum Stroke 8', up to 10" diameter  
and Power Unit with Hydraulic Unit and Coolant with Sunnen Head

SUNNEN HONE

One more hone?

10" CINCINNATI DOUBLE END PEDESTAL GRINDER

6" DOUBLE END PEDESTAL GRINDER

SIZE 3 BLACK DIAMOND DRILL POINT GRINDER,

BOYAR SCHULTZ HAND FEED SURFACE GRINDER,  
With 5" x 10" Magnetic Chuck and Rectifier,

17" x 54" CINCINNATI HYDRASHIFT GEARED HEAD ENGINE LATHE  
Spindle Speeds to 980 RPM, with 3-Jaw Chuck, 2-Axis Digital Readout

BRIDGEPORT VERTICAL MILLING MACHINE,  
9" x 42" Table, complete with Acu-Rite III  
2-Axis Digital Readout, Power Feed to Table,  
Tibon Hard Ways

BRIDGEPORT VERTICAL MILLING MACHINE,  
Complete with Shaping Attachment, Power Feed to Table

1" DELTA BELT SANDER

**MACHINE SHOP – Cont'd.**

GREENERD HYDRAULIC ARBOR PRESS

10" X 24" JET BENCH TYPE LATHE, with 3-Jaw Chuck

17" ROCKWELL FLOOR TYPE DRILL PRESS

20" x 192" CINCINNATI GEARED HEAD ENGINE LATHE,  
with Risers – Actual Swing 36", Spindle Speeds 16 – 640 RPM,  
with 4-Jaw Chuck, Taper Attachment, Steady Rest

JOHNSON HORIZONTAL BAND SAW

8" TYPE BG8 PORTER CABLE WET-DRY BELT SANDER,

BEHRINGER SAW

Fully Automatic, Bundling Capabilities

17.7" Dia. Capacity, 17" Sq. Capacity

MAKITA PORTABLE ABRASIVE CUTOFF SAW

3" PORTER CABLE BELT SANDER

MILLER MIG WELDER

LINCOLN TIG WELDER

6" DOUBLE END BENCH GRINDER

15" WALKER TURNER BENCH TYPE DRILL PRESS

SUNNEN Horizontal Honing Machine

24" dia. Capacity x 18 Ft. Stroke

50-HP AIR COMPRESSOR, With Air Receiving Tank & Dryer

(3) GRAYMILLS PARTS WASHERS

YORK PRECISION MH FORCING PRESS

30-TON GARAGE TYPE ARBOR PRESS

NO. 2 GREENERD ARBOR PRESS

and a variety of other equipment and capabilities

**PAINT AREA HIGHLIGHTS**

JBI DOWNDRAFT SPRAY BOOTH 20x40' with baking capacity

(1) ELECTROSTATIC SPRAY GUN & POT,

QUANTITY OF RACKS, (4) PAINT SCREENS,

AIR RECIRCULATING SYSTEM, CABINETS, PAINT SHAKER

## **CLEAN ROOM CAPABILITY**

2 rooms, each are 31'x34'x9' with wide access doors  
Level 200 Positive Ventilation with HEPA filters  
And ample lighting  
one side for testing, one side for assembly

## **HYDRAULIC TESTING HIGHLIGHTS**

MODEL 3218 THERMODYNAMIC ENGINEERING INC. ENVIRONMENTAL CHAMBER  
Temperature range 106<sup>0</sup> F-450<sup>0</sup> F 72"wx72"Hx84"D

(2) YPMH 6-STATION HYDRAULIC TEST UNITS, (Up to 6000 PSI),  
Complete with Hydraulic Unit

YPMH TEST UNIT WITH  
THERMOCOUPLE THERMOMETER, GAGES, Etc.

PORTABLE HYDRAULIC TESTING UNIT with Hydraulic Unit

GREER HYDRAULIC TEST UNIT

(4) PORTABLE HYDRAULIC TEST UNITS

L.A.B. VIBRATION TEST UNIT

SINGLE DOOR OVEN With Gages, Digital Readout

PARKER POWER FLARER

COIL O CRIMP BENCH MOUNTED CRIMPING UNIT

9" X 30" SOUTH BEND BENCH LATHE

HASKEL TEST STAND 90,000 PSI  
With Controller and Computer

YPMH TEST STAND  
w/2-Stage Pump, 3000 PSI, 50 Gallon min.  
10,000 PSI @ 15 gal./min., 300 gallon reservoir  
Digital Gages, RS232 Ports

NATIONAL INSTRUMENT CONTROLLER PACKAGE  
for Multiple/Measurement and Automation of System  
Data Capturing

and a variety of other equipment and capabilities