



York Precision
MACHINING & HYDRAULICS

EQUIPMENT LIST

York Precision Machining & Hydraulics, LLC
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CNC EQUIPMENT HIGHLIGHTS

DOOSAN TURNING CENTER WITH MILLING

4 axis
35" maximum turning
198" between centers

DOOSAN PUMA 700XLY

Chuck size 24" diameter
30" maximum turning diameter
199" maximum turning length
74 HP/1500 RPM Spindle

DNM 6700

8000 RPM Spindle
Travels -- X: 51 3/16"; Y: 26 3/8"; Z: 24 5/8"
Martin Trunnion Table

MITSUBISHI WIRE EDM -- MV 4800 S

Submerged 20" deep
Travels -- X: 31.5"; Y: 23.6"; Z: 20.1"
Maximum workpiece diameters -- X: 49.2"; Y: 40.2"; Z: 19.9"

OKUMA CNC LATHE – "The Captain"

49.21" between centers
24" dia. turning capacity; 0 – 4-1/2" dia. steady rest
12 Position live tooling capability

OKUMA CNC LATHE – "LB35"

60" between centers,
22" dia. turning capacity, 0 – 8" steady rest
12 stations

OKUMA FLAT BED CNC LATHE – "LH 55"

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

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
5 face machining capability
30 RPM to 6000 RPM

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
6000 RPM Spindle

OKUMA VERTICAL MACHINING CENTER

20 Tools; X: 40"; Y: 20"

CNC EQUIPMENT - Cont'd.

OKUMA CNC LATHE – ES 10
 19.68" between centers
 12.20" diameter turning capability
 Barfeed Interface

PUMA 4100 LM
 Chuck 12" diameter
 21 5/8" maximum turning diameter
 81" maximum turning length
 50 HP/ 3000 RPM Spindle
 Deep hole drilling with high pressure coolant

OTW VERSAHONE VERTICAL HONE
 31" maximum part length
 1 3/4" To 6" diameter range

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

INSPECTION EQUIPMENT HIGHLIGHTS

8 AXIS QUANTUM^S FARO ARM with PolyWorks Software

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

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

MATERIAL HANDLING - Cont'd.

1-TON ACCO ELECTRIC HOIST Mounted on Jib Arm

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

(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

SUNNEN HORIZONTAL HONE HTH
160" stroke, 2"-21" diameter

SUNNEN HORIZONTAL HONE MBB-1600
0.06'-6.5" diameter

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,
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

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 CAPABLE SECTION

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 106⁰ F-450⁰ F 72"wx72"Hx84"D

(2) YPMH 6-STATION HYDRAULIC TEST UNITS, (Up to 6000 PSI), 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