EQUIPMENT LIST
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; 4th & 5th 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
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°F - 450°F   72”w X 72”h X 84”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