

Facility List

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ISO 9005:2015

ITAR Registered

GPR Company, Inc.

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Tel 973-227-6160 Fax 973-747-3213

CNC MACHINING CENTERS

Mazak 32/604 CNC Machining Center:

60-inch "X" axis

30-inch "Y" axis 30-tool capacity

20-inch "Z" axis

Mazak 30/405 CNC Machining Center:

40-inch "X" axis

30-inch "Y" axis 30-tool capacity

20-inch "Z" axis

Mazak VTC – 200B CNC Machining Centers

32-inch "X" axis

18-inch "Y" axis 30-tool capacity

18-inch "Z" axis

Mazak Nexus VCN 510C CNC Machining Center

32-inch "X" axis

18-inch "Y" axis 30-tool capacity

18-inch "Z" axis

Mazak VQC 15/40 CNC Machining Center

22-inch "X" axis

16-inch "Y" axis

16-inch "Z" axis

Haas VF6SS CNC Machining Center

64-inch "X" axis 40-tool capacity

32-inch "Y" axis CAT 50

30-inch "Z" axis

Haas VF9 CNC Machining Center

84-inch “X” axis 40-tool capacity
40-inch “Y” axis CAT 50
30-inch “Z” axis

Mazak Pallet System with Two Horizontal Machining Centers:

Mazak FH 580 Horizontal Machining Center:

26-inch “X” axis 160-tools
24-inch “Y” axis CAT 40
22-inch “Z” axis

Mazak FH 5800 Horizontal Machining Center:

26-inch “X” axis 80-tools
24-inch “Y” axis CAT 40
22-inch “Z” axis

*Robotically fed pallet system with 16 pallets for automatic operation.
Capable of 24 hour unmanned production.*

Mazak Pallet System with Three Horizontal Machining Centers:

Mazak FH 4800 Horizontal Machining Center:

22-inch “X” axis 40-tools
24-inch “Y” axis CAT 40
22-inch “Z” axis

Mazak FH 4800 Horizontal Machining Center:

22-inch “X” axis 40-tools
24-inch “Y” axis CAT 40
22-inch “Z” axis

Mazak FH 4800 Horizontal Machining Center:

22-inch “X” axis 40-tools
24-inch “Y” axis CAT 40
22-inch “Z” axis

*Robotically fed pallet system with 16 pallets for automatic operation.
Capable of 24 hour unmanned production.*

1,000 psi high pressure coolant system.

Mazak Pallet System with a Horizontal Machining Center and a Horizontal Mill/Turn – Vertical Turning Center:

Mazak FH 6800 Horizontal Machining Center

41-inch “X” axis 120-tools
31-inch “Y” axis CAT 50
35-inch “Z” axis

Mazak 1060 V/6-II Horizontal Mill/Turn – Vertical Turning Center – Simultaneous 5 Axis Operation

41-inch maximum work piece diameter
Automatic tool probe
120-tools
CAT 50

Robotically fed pallet system with 24 pallets for automatic operation. Capable of 24 hour unmanned production.

Scale Feedback

High pressure through spindle coolant system.

(2) Doosan HM1250 Twin Pallet Horizontal Machining Centers

82-inch “X” axis 120-Tools
59-inch “Y” axis CAT 50
59-inch “Z” axis

HNK – HB-130C Horizontal Boring Mill Center:

118-inch “X” axis
78-inch “Y” axis
52-inch “Z” axis
27-inch “W” axis (Spindle axis)

Rotary table with .001° index resolution. The table load is 22,000 pounds. Linear scale feed back on all axis.

HNK – HB-130CX Horizontal Boring Mill

157-inch “X” axis
91-inch “Y” axis
51-inch “Z” axis

Rotary table with .001° index resolution. The table load is 22,000 pounds. Linear scale feed back on all axis.

Hurco BMC 2416 Vertical Milling Machine

24-inch “X” axis 24-Tools
16-inch “Y” axis CAT 40
24-inch “Z” axis

Hurco BMC 4020 Vertical Milling Machine

40-inch “X” axis 24-Tools
20-inch “Y” axis CAT 40
20-inch “Z” axis

Hurco VMX 4020 Vertical Milling Machine

40-inch “X” axis 24-Tools
20-inch “Y” axis CAT 40
20-inch “Z” axis

Hurco VMX 4020 Vertical Milling Machine

40-inch “X” axis 24-Tools
20-inch “Y” axis CAT 40
20-inch “Z” axis

CNC TURNING CENTERS

Mazak Integrex I-350H S - 7 Axis Mill/Turn Center:

10-inch diameter main chuck
26-inch maximum swing

Complete parts manufactured in one cycle
74 tool storage capacity

Mazak Integrex 200 IV - 7 Axis Mill/Turn Center:

8-inch diameter main chuck
26-inch maximum swing
Setup for lights out manufacturing
Robotic Load/Unload
Complete parts manufactured in one cycle
120 tool storage capacity

Mazak Integrex I-200S – 7 Axis Mill/Turn Center

8-inch diameter main chuck
26-inch maximum swing
Setup for lights out manufacturing
Robotic Load/Unload
Complete parts manufactured in one cycle
72 tool storage capacity

Mori Seiki SL-3H CNC Lathe:

21 inches between centers

15-inch maximum turning diameter 12-tools ID

2.50-through bore of spindle 12-tools ID

Multiplex 610 Turning System:

32-inch Shaft length

6-inch front and back chuck (Both chucks are full “C” axis)

Twin Turret for simultaneous machining on both chucks

Turning and milling on same machine

Robotic load and unload

Setup for unmanned operation

PROGRAM SYSTEMS

Centralized Programming System:

GPR uses Griffio Brothers, Camware and Gibbs systems for program storage and retrieval and computer aided manufacturing.

Engineering Software:

GPR runs Solidworks

WATER JET EQUIPMENT

Jet Edge CNC Abrasive Waterjet

MANUAL EQUIPMENT

Lagun Vertical Milling Machine:

32-inch “X” axis

16-inch “Y” axis

6-inch “Z” axis

Hartford Vertical Milling Machine:

32-inch “X” axis

15-inch “Y” axis

6-inch “Z” axis

Victor Lathe:

42-inches between centers

16-inches over the bed

2.44 spindle bore

Victor Lathe:

40-inches between centers

20-inches over the bed

3.125 spindle bore

All manual machinery has 0.0005-inch digital readouts.

GRINDING EQUIPMENT

Acer Surface Grinder:

18x36 Capacity

Reid Surface Grinder:

7-inch x 18-inch magnetic table

WELDING EQUIPMENT

Miller 350 AMP Syncrowave Welding Machine

Two Miller 250 AMP Syncrowave Welding Machine

Three Acorn Setup Tables

MISCELLANEOUS EQUIPMENT

Automatic Cutoff Saw:

14-inch capacity

± .005" tolerance on cut length

Kalamazoo Horizontal Cutoff Saw

Automated parts washing system

Vertical Band Saw

20-inch throat capacity

INSPECTION EQUIPMENT

Wenzel Coordinate Measuring Machine:

78-inch "X" axis

39-inch "Y" axis

27-inch "Z" axis

This machine gives us the capacity to measure any component manufactured to 0.00015 inch volumetric.

Wenzel Coordinate Measuring Machine:

40-inch "X" axis

20-inch "Y" axis

20-inch "Z" axis

This machine gives us the capacity to measure any component manufactured to 0.00015 inch volumetric.

Mitutoyo Coordinate Measuring Machine:

19-inch "X" axis

27-inch "Y" axis

15-inch "Z" axis

This machine gives us the capacity to measure any component manufactured to 0.00015 inch volumetric.

Faro Arm

Portable 7 axis CMM with a 9ft diameter span for large components with .0017 volumetric accuracy

CAM 2 Measurement 10 Software supports reading Parasolid, IGES, VDA and STEP CAD files directly.

OGP Vision System – Smartscope Flash 500

Twelve inch Mititoyo Comparator:

0.0001 Digital Readout

Brown & Sharp 24” Micro Height 600 with P1 Panel

Brown & Sharp 18” Tesa Height 350

Muller Gauge

Used to inspect the ID & OD to within .0001

Mititoyo Surftest Profilometer

Various micrometer sets, verniers, and micrometer styles for inspecting threads, grooves, flanges, and inside bores.

Wide array of pin, ring, and thread gauges for in-process and final inspection.

VACUUM TEST EQUIPMENT

Two Leybold Mass Spectrometers (Leak Detectors)

Used to verify vacuum integrity to 2 x 10⁻⁹ scc/sec leak rate

Accu-Quad RGA

Two Leybold Roughing Pumps

Edwards 1000 Liter Turbo Pump

Our inspection facilities are fully temperature controlled.

We also have a full compliment of deburring apparatus, reamers, drills, end mills, presses, grinders, welding and heating equipment.

Closing Statement:

Today, all too frequently, we hear the term quality mentioned casually within the industry. However, the only place it truly matters is in the product. That is where we at the GPR Company have the most pride.

When we commit to a customer, we become committed to making your product, our product. That responsibility is reflected in our state-of-the-art equipment and our responsiveness to becoming your partner in producing for you the highest quality parts possible with a focus on timely delivery.

Our pride in workmanship is a reflection of the caliber of our people. Moreover, our collective mission is to become your most reliable source for outsourcing needs. We welcome the opportunity to provide to you quotations for upcoming work.

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