



Precision Machine and Manufacturing, Inc.

- Precision Machine Valves
 - Precision Rotary Feeders
 - Custom Machined Parts
 - Welding and Fabrication
- Screw Conveyors
- Sectional Flights



Precision Machine and Manufacturing, Inc. is an innovative and quality-oriented manufacturer of a diverse range of industrial products. Combining machine shop operations, fabrication capabilities and a state-of-the-art CNC department, Precision Machine and Manufacturing, Inc. serves many customers in many different industries.

Since 1977, we have put our commitment to quality, service and cost-efficiency for our customers as top priority. We have grown to become an industry leader capable of producing any machine component and able to handle any job.

From the agricultural to wood products industries, our manufactured products are known for quality, design, and excellent workmanship. Throughout these industries you will find satisfied customers currently using our Precision Machine Valves (PMV), Precision Rotary Feeders, Screw Conveyors and machining and fabrication services.

Precision Machine and Manufacturing, Inc.'s precise engineering, durable construction and high quality materials ensure that each Precision product is the best in its class. Call, fax or e-mail today for more information.



CNC Machining Division

*Quality
Skill
Precision*

*Engineering
and design to
meet your
needs!*



Precision Machine and Manufacturing, Inc.

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When Job Quality is Important



Precision Machine and Manufacturing, Inc. is equipped with the latest in computerized technology, keeping up with the demands of the metal working industry. Our CNC programming department has the latest in computer programs and training. Our programmers are always keeping up with the latest advances in the ever-changing world of computer programming and thus we are able to stay competitive and pass the savings on to our customers.

Enshu 800V

Our Enshu 800V machining centers represent the finest high performance machining capabilities available. These machining centers are capable of handling very large parts with precise accuracy. Use of a column traverse method sharply improves proximity to the workpiece, resulting in greatly improved operability. A cam-type mechanical ATC enables tool changes of 3.8 seconds, while ceramic ball bearings are used in the spindle bearing to allow a maximum spindle speed of 6000 RPM.

Moriseiki MV-45/40 CNC Vertical Machining Center

The MV-45/40 CNC Vertical Machining Center is designed for heavy duty machining and precision accuracy. The versatility of this machine enables us to produce a variety of parts in the fastest, most economical manner. The heavy duty machining capabilities have made it a workhorse in our CNC department. The 45/40 also provides very quick tool change outs that result in increased production efficiency.

Takisawa Mac V40

The Takisawa Mac V40 is a full scale, general purpose machining center perfect for high accuracy heavy duty cutting of medium and small parts.



Enshu 800V

Capacity: 100" length; 32" width; 30" height
Spindle speed: 6000 RPM
Fanuc 15M control
4th axis programmable
40 tool capability
Right angle head
600 IPM rapid traverse



Moriseiki MV-45/40

Spindle speed: 30-6000 RPM
Fanuc 6M CNC control
15HP spindle
x = 30" travel; y = 18" travel; z = 23" travel
4th axis programmable



Takisawa Mac V40

Spindle speed: 60-6000 RPM
x axis = 25.59"; y axis = 16.14"; z axis = 18.14"
4th axis programmable
Tool-to-tool change: 1.5 seconds

Fanuc Robotic Welding System

The Fanuc Arcmate 120iL robot is located in the center of the production work cell for material handling. Its primary function is to move between the headstock/tailstock and 360 degree rotary table and weld parts located in the fixtures. The design of the headstock/tailstock allows fixturing of parts ranging in length from 2 to 8 feet and up to 60 inches in diameter. The design of the rotary table allows a part to be fixtured on half of the tabletop and rotated into the work cell to be processed while the other half of the tabletop is being unloaded or loaded with another part.



Takisawa TC-20 Lathe

The Takisawa TC-20 lathe is extremely fast and accurate. This high performance machine is perfect for shafting and smaller sized parts that require chuck work. It has a rapid traverse rate up to 1200 IPM and has a live bar feeder and parts catcher.



Takisawa TC-20 Lathe

Spindle speed: 6000 RPM
6" chuck capacity
1 5/8" bar feeder capacity
Programmable live center

Moriseiki LL7 Lathe

Our large Moriseiki LL7 excels on shaft work up to 20 inches in diameter by 13 feet long. The 39-inch swing over the bed makes this lathe especially suited for heavy turning requirements.



Moriseiki LL7 Lathe

Swing over bed: 39.3"
Swing over cross slide: 20.4"
Max longitudinal travel: 13'
Hole through spindle: 8.5"
Spindle speed: 8-750 RPM
Main motor: 49HP

Additional Equipment

Takisawa TS-20 Lathe
Takisawa TS-3 Lathe
4 Engine Lathes
1 Vertical Turret Lathe
3 Horizontal Boring Mills
2 Vertical Turret Mills
1 Horizontal Mill
3 Keyway Broaching Machines
Blanchard Grinder
Drill Grinders
CNC Bandsaw
Burning Table
Parts Washer