



MILLENNIUM PRECISION, LLC



PRECISION SWISS
STYLE MACHINING

Our Goal

Millennium Precision strives to provide its customers with the service and quality products expected from a reliable supplier. Consistent, timely and accurate communication helps to ensure that our customers receive the information that they need. The owner of the company is an active participant in the day to day operations helping to ensure that the messages from the customers are carried through to the manufacturing floor. When you contact Millennium, you are dealing with individuals who can make things happen for you.

Our Quality Policy

ISO 13485 - ISO 9001 CERTIFIED

“To ensure quality is present from inception to completion in all that we do.”

At Millennium Precision, we believe that the quality of the components we produce are, and always will be, performed and controlled by the individuals who physically produce them. Our quality approach is based on systems and controls that help the machinist and operators understand what our customers are asking for. Through education and a system of in-process cross checks we are able to accurately produce, in both prototype and production quantities, the components that our customers require.

Our Customers

Millennium Precision has the resources to supply turn-key components requiring additional services such as heat treating, plating, grinding, polishing and electroplating. Over the years we have built a strong network of suppliers who are always willing to support the needs of our customers. Our supplier base is one of the best in the industry.

It is also our goal to develop partnerships in which our customers can order in ways that suit their needs. Kanban systems, JIT deliveries, VMI (vendor managed inventory) and blanket orders help to ensure that our customers get the parts they need when they need them.

What We Do

Millennium Precision is a contract manufacturer of precision Swiss style machined components. Machining a bar or blank of material into parts that can help heal the body, communicate, transport, protect and build are only a few of the many uses for Swiss type machined components. We have many years of experience in producing components for multiple markets. This has also given us the knowledge to machine most types of materials. Millennium Precision has the capability to help our customers get from prototype to full production.

Our commitment to our customers, competitive pricing and top level quality is what sets Millennium apart from our competition. Putting the customer first, where they belong, has helped us build lasting business relationships.

Our Mission Statement

We are an organization that values our employees, customers and business relationships by providing:

- **Excellence in Customer Service**
- **Quality products On-Time**
- **A safe, productive, financially rewarding and enjoyable work place for our employees**

Facilities List

- (1) Citizen Cincom L5-20 VII** – Multi-axis Swiss lathe with Sub spindle capability – 0.812” maximum bar diameter – live face and cross work position – C axis milling capability – High pressure coolant
- (3) Citizen Cincom L20 IX** – Multi-axis Swiss lathe with Sub spindle capability – 0.812” maximum bar diameter – live face, end and cross work positions – C axis milling capability – High pressure coolant
- (1) Citizen Cincom L20 X** – Multi-axis Swiss lathe with Sub spindle capability – 0.812” maximum bar diameter – live face, end and cross work positions – C axis milling capability – High pressure coolant
- (1) Citizen Cincom M1-20** – Multi-axis Swiss lathe with Sub spindle capability – 0.812” maximum bar diameter – 20 live face and cross work positions – C axis milling capability – High pressure coolant
- (1) Citizen Cincom D25** – Multi-axis Swiss lathe with Sub spindle capability – 1.180” maximum bar diameter – 20 live face and cross work positions – C axis milling capability – High pressure coolant
- (2) Citizen Cincom C32** - Multi-axis Swiss lathe with Sub spindle capability – 1.250” maximum bar diameter – live face and cross work tooling – C axis milling capability – High pressure coolant - low
- (1) Citizen Cincom L32 VIII** - Multi-axis Swiss lathe with Sub spindle capability – 1.250” maximum bar diameter – live face and cross work tooling – C axis milling capability – High pressure coolant
- (1) Nexturn SA32D** - Multi-axis Swiss lathe with Sub spindle capability – 1.250” maximum bar diameter – live face and cross work tooling – C axis milling capability – High pressure coolant
- (1) Nexturn SA38E** - Multi-axis Swiss lathe with Sub spindle capability – 1.50” maximum bar diameter – live face and cross work tooling – C axis milling capability – High pressure coolant
- (5) Citizen Cincom L12** - Multi-axis Swiss lathe with Sub spindle capability – 0.500” maximum bar diameter – live face and cross work tooling – C axis milling capability – High pressure coolant
- (1) Citizen Cincom L38 X** – Multi-axis Swiss lathe with Sub spindle capability – 1.50” maximum bar diameter – live face, end and cross work positions – C axis milling capability – High pressure coolant
- (1) Formlabs Stereolithography Printer – Form 3** – Low Force Stereolithography (LFS)TM – Automated resin fill system – Build Volume 14.5w x 14.5d x 18.5 cm/ 5.7w x 5.7d x 7.3 in – Layer Thickness (Axis Resolution)^b 25 – 300 microns .001 - .012 inches.
- (1) Tronxy VEHO-6002E Large Volume CoreXY FDM Printer** – Print parameters – 600*600*6000mm, print accuracy 0.05-.03mm- Print principle FDM (fused deposition molding) Print speed 20-150mm/s – Filaments support PLA, ABS, dual extrusion
- (1) FOBA M Series (M2000) Laser Workstation** – Features – Programmable: Axes X,Y,Z electric lift door. – Travel 350mm, travel speed 25mm (1.5m/min) – Max workpiece size - B: 620x 380 x450 | P 620x490x450 – Rotary spindle fiber laser capable of mark wide range of plastics & metals.

Full Quality Lab (ISO 13485 - 9001 Certified)
with Mitutoyo Vision system

Branson Vapor Degreaser/Ultrasonic cleaning

Grit/Glass/Sand blasting

Vibratory finishing/de-burring Surface grinder

Bridgeport manual milling machines

Hardinge hand lathes

Drill presses

Inventory maintained tooling crib

Capabilities

- **Swiss Style Multi-Axis CNC Turn / Mill Machines:** up to 38MM (1.5") DIA
- **Turning:** up to 12" length, single chucking continuous cut. Interrupted cut lengths can be longer.
- **Live Tooling:** for milling, drilling, tapping, profiling, engraving, etc.
- **Broaching:** can broach part ends such as socket hex, torx, etc. – less than .300" deep depending on material type.
- **Machining of Most Materials:** plastics, aluminum, steel, alloy, stainless, titanium, etc. Ability to machine 17-4SS in H900 condition from round bar, tubing or hex shapes.
- **In-House Deburring:** vibratory media, blasting, hand deburring under microscopes.
- **Parts Cleaning:** aqueous degreaser, ultrasonic vapor degreaser
- **Assembly:** light assembly can be done on site.
- **Outside Processes:** heat treating, plating, electropolishing, superfinishing, Cerakote, DLC, salt-bath nitriding, EDM, etc.
- **Surface Finishing:** ability to machine down to 16 RMA possible depending on location on the part. Better finishings can be achieved through outside processes such as electropolishing, superfinishing, REM Isotropic finishing and lapping.
- **Tolerances:** machining of tolerances down to $\pm .0001$ " depending on individual part geometry

Please contact us directly with questions regarding machinability.



Contact Us

Millennium's open-door policy is an important component of our success. Open communication is a key part of making projects run smoothly. This policy is one that we live by for both our customers and suppliers. The relationships that have been built over the years enable Millennium Precision to respond to our customers in a time frame that they need. Being open and available to our suppliers has given Millennium the strength of many.

As always, if you have any questions, comments or would like to see where we do what we do, please feel free to contact us or stop in for a visit at any time!

Sean C. Duclos, President

Millennium Precision LLC
sduclos@millenniumprecision.com

Eric K. Filiatrault
General Manager
efili@millenniumprecision.com

Sales Department
sales@millenniumprecision.com



MILLENNIUM PRECISION