

Grace ENGINEERING

PRECISION PRODUCTS THROUGH INNOVATIVE MANUFACTURING

At Grace Engineering, Our success is built on helping customers solve issues!

Grace Engineering is a producer of precision machined components of various shapes, sizes, materials and volumes to markets including: archery, firearms, medical instruments, hydraulic, machine orientation devices and exercise equipment to name a few.



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***Our primary processing strengths include:
CNC Swiss Turning, CNC Turning, CNC
Milling and Precision Grinding.***

***We also perform many other process
support processes (i.e. tumble finishing,
decorating, media blasting, assembly, etc.***

***We have experience with many
different materials including: alloy
steels, stainless steels, tool steels,
aluminum, titanium, magnesium,
brass, various grades of plastics
and composite materials.***

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***Grace Engineering is a registered
ISO 9001:2015 & ISO 13485:2016 manufacturer.***

***We also have a complete support staff in our X-Werks department
which includes: Engineering staff, design & testing capabilities
and applicable manufacturing support personnel.***



SWISS TURNING

Grace Engineering is capable of turning up to 1.25" in diameter and up to 12" in length on our CNC Swiss Turning Equipment.



Our Swiss turning knowledge and equipment, allows us to produce complex parts, including: cross holes, milled flats, part bending, etc., in one operation as well as complete turning.



SWISS TURNING



Grace Engineering also maximizes machine output by use of synchronized material bar feeders where applicable.

This allows machines to run continuously with minimal down time for loading materials, etc.





CNC TURNING

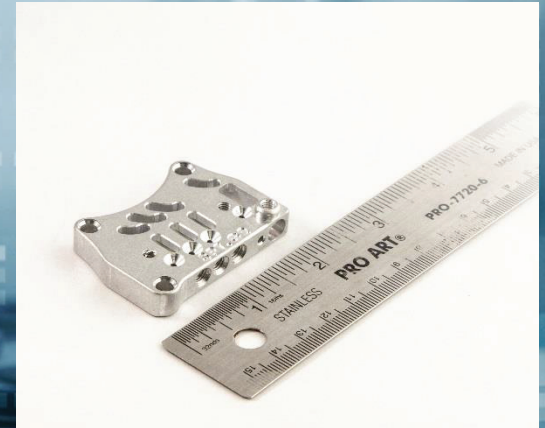
CNC Turning (including Swiss) up to: 2.375" dia., and up to 12" long done consistently.





CNC MILLING

Our milling capacity can
handle parts up to: 48"
long x 23" wide x 18"
thick.





CNC MILLING



Our CNC Milling Department produces many complex shapes and sizes.

We design, build and maintain our own fixtures, tooling, etc..



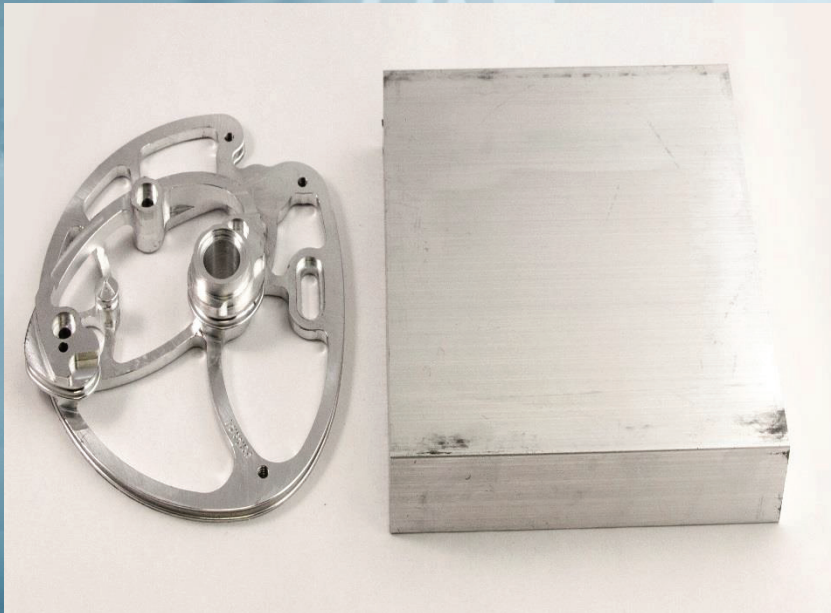
We can produce parts in lower volumes to 100000 + year, as is required.





CNC MILLING

We produce parts from many different material grades and material sources including: flat stock, investment castings, near net forgings and bar stock.
Machining parts up to 48" x 23" x 18"





GRINDING

Our grinding capabilities include: CNC Centerless Grinding, OD Grinding and various surface grinding.

We precision grind parts down to: .039" in diameter and 6" long holding tolerances to .0003" on diameters and .0001" on roundness and straightness.





ASSEMBLY & DECORATING

Grace Engineering also performs part / component decorating as well as many assembly and test operations of various components.

