

Typical Services Include:

- SURFACE GRINDING - 12.00 X 12.00 X 24.00 - size, flatness and parallel w/n .0001
- ID GRINDING - 22.00 Diameter X 14.00 thick - size tolerance .0001
- OD GRINDING - 18.00 Diameter X 40.00 long - size tolerance .0001
- FLAT LAPPING - 24.00 Diameter X 6.00 thick - from 1 light band to .0001
- OD LAPPING - .030 - 6.00 Diameter X 18.00 long - size tolerance .00002/.00008
- ID LAPPING - .015 - 12.00 Diameter X 4.00 long - size tolerance .00002/.00008
- SMALL CENTERLESS GRINDING - .035 - 1.500 Dia. X 12.00 long - tolerance .0001
- ROTARY GRINDING 24.00 Diameter X 10.00 thick - size tolerance .0001
- CHROME PLATING REPAIR AND RE-GRIND TO ENSURE CLEANUP (call for size)
- TURNING SERVICES - from .125 Diameter to 22.00 Diameter
- WE GRIND AND LAP CARBIDE
- EXPERTS AT TAPER GAGE GRINDING AND TAPER GAGE BUILDING
- A2LA CERTIFIED (AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION)

Get More Info On:

- [Part Masters](#)
- [Production Services](#)
- [Engineering Services](#)
- [Wire EDM](#)

PART MASTERS:

Call us to discuss your application

- Improve quality by checking against a part that is geometrically precise!
- Eliminate first-piece "guess-timates" and have confidence in your results.
- Rely on state-of-the art facility, with 17025 accreditation, for Wire EDM, Grinding, Lapping, Honing, Jig Boring & Jig Grinding, to Gaging Tolerances.
- State-of-the-art CAD/CAM systems combined with 3D printer will produce the right part master for you.

PRODUCTION SERVICES – Typical Services Include:

Specializing in Tight Tolerance Grinding, Honing, and Lapping of Inside and Outside Diameters

- Quantities can be one to thousands of pieces;
- Holding sizes to .00005 with straightness requirements of .000020 to .000080, depending on length;
- Slip fits maintained between ID & OD diameters in clearances of .000020 shaft diameters range in size from 1/4" to 8-3/4" and up to 9" long.
- Choose to do all of the machining first and leave stock to for GSG to finish OR GSG can do the complete project.

ENGINEERING SERVICES:

Supported by the latest in CAD Design, CAM Processing, and a full machine shop, we can design and build your multi-datum/multi-alignment gages.

- The shop features high accuracy wire EDM, Jig Boring & Jig Grinding;
- Honing, Grinding & Lapping to Gaging Tolerances
- Master Taper Gages, for both standard machine tool types and design & build of specials. We can help you with your design!
- Our 3-D printer capability will help you see the design we build!

WIRE EDM:

GSG Expands with New Capabilities! GSG is one of the largest gage houses in the U.S., providing all types of gages to the aerospace, automotive, nuclear, medical, oil, and energy and power generation industries;

- Two new Mitsubishi 5 Axes WEDM units
Hold .00005" tolerances on master parts and high-accuracy production parts;
Large working envelopes of 13.8" x 19.7" with a length of cut up to 11.8".
- We can produce irregular, unusual, and asymmetrical shapes & profiles!
- Fast turn around with excellent quality.
- 3-D Printers used to model the parts, quote, and build the gages and production parts.