



Precision Finishing, LLC.



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## THE RIGHT FINISHES BEGIN WITH TRILAP



### PRECISION LAPPING AND SMALL-PART GRINDING

#### The Source for Precision Lapping and Grinding

Trilap has become the preeminent leader in precision lapping and grinding for aerospace, defense, medical, and industrial applications. No one else can provide the high level of quality that our engineers and finishing technicians achieve—or deliver it as fast.

When you need a zero-defect product with a short lead time, Trilap is THE choice for you. Decades of focused experience in the highly specialized field of precision finishing have put Trilap in a class by itself.

From prototype to full production, and every step along the way, our skilled engineers and support staff are ready to help you with your design needs and answer your questions. The result is the most gratifying and productive collaboration you'll find anywhere.

When you need the very best precision lapping and grinding work for aerospace, defense, medical, or industrial applications—and you need it quickly—the choice is clear.

Try Trilap, and you'll never look elsewhere again!

FAST TURNAROUND.

COMPETITIVE PRICING.

QUALITY PRODUCT.

EXCEPTIONAL CUSTOMER SERVICE



[www.trilap.net](http://www.trilap.net)

**TRILAP PRECISION FINISHING, LLC.**

649 Lawrence St., 2nd Floor, Lowell MA 01852, USA | PHONE: 978.453.2205 | FAX: 978.441.9646

Since 1974, Trilap has been serving customers with specialized precision finishing needs for aviation/aerospace, medical, and military applications.

For precision lapping or grinding, turn to the experts at Trilap. Our goal is to provide the perfect finish for your needs as efficiently and cost-effectively as possible.

## FACILITY LISTING

### Lapping and Grinding Machines

- DoAll 618 Hydraulic Surface Grinder with coolant
- 2 Brown & Sharpe Micromaster Surface Grinders
- Scotchman/Bewo Model CPO LT Circular Cold Saw
- Branson Automated B950R Ultrasonic Vapor Degreaser with Power Cover
- 2 Hyprez 42" Pneumatic Lappers with water cooled table
- 3 C&B 24" Pneumatic Lappers
- 4 Special Planetary (two sided) Lapping Machines
- Dayton 5 H.P. Compressor
- Granite Surface Plates:
- 3 - 18 x24
- 1 - 24 x 36
- 6 - 12 x 18



## MATERIALS

Here are some the materials we commonly work with at Trilap. If your design calls for different or unusual materials, send us an inquiry or give us a call.

- Alloy 42
- Aluminum
- Brass
- Bronze: CA674, SAE 660, C63200
- Carbide
- Castings: Alloy 852.0, Alum Alloy 356, Vanasil AA393
- Cast irons such as: Meehanite, Ductile, Dura-Bar
- Copper
- CPM 10V
- Hastelloy
- Haynes 282
- Invar
- Kovar
- Peek
- Ryton
- Stainless Steel: 303, 304, 316 and more
- Steel
- Tantalum
- Titanium
- Tungsten Carbide
- Ultem

## CAPABILITIES

With our expertise and specialized equipment, Trilap offers extensive precision lapping and grinding capabilities, including:

- Single-side, double-side (planetary), and two-piece lapping and polishing of a wide range of materials to tolerances of:
  - < .00005 on thickness
  - < .00001 on flatness
  - < .00002 on parallelism
- Surface and non-flat configurations
- Specialized grinding of small parts (5 x 10)

## QUALITY ASSURANCE

Quality is the mainstay of our business. Trilap's specialized technical expertise and state-of-the-art inspection equipment ensure quality on each job.

### Inspection Equipment

- Micro-Vu Comparator Model H14/DRO .0001 with 20x lens, quad protractor screen
- Monochromatic Light with Quartz Optical Flat
- Mitutoyo Surftest-301 Profilometer
- Starrett Bench Micrometer
- Mitutoyo Height Gage
- Mitutoyo 81 pc Gage Blocks
- Micrometers

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