



Our Services

Precision and Optical Components and Manufacturing Capabilities

Optical Instrument Lab, inc. specializes in providing short manufacturing times for high volume manufacturing requiring medium to high tolerances and multiple diameter variances. Some of our capabilities include:

- Large inventory of optical materials
- Scratch dig to 20 - 10
- Flatness to 1/4 wave
- 1/4" diameter to 36" square
- Blanchard Grinding
- Blocking: Pitch & Wax
- Cylindrical Grinding and Polishing
- Large Plate Lapping and Polishing
- Double-Sided Lapping and Polishing
- Single-Sided Lapping and Polishing
- Drilling, Grinding, and Slicing

Specifications

We generally work within the following range, but are not limited to:

- Diameter: .0100" - .28"
- Square/Rectangle Sizes: .0100" - 36"
- Thickness: .007" - 3.5"

Tolerances

We generally work within the tolerance range, but are not limited to:

- Diameter: within .001"
- Flatness: 1/4 wave
- Surface Finish: 20/10 - 60/40"
- Parallelism: .0001" - .0005"

If you would like to know more about the products that we have in stock be sure to take a look at our [products](#) page. We also have a list of some of our notable projects and clients on our [projects](#) page.