



E.R. Precision Optical Corporation

"Once You Look Through Our Optics, The Choice Will Be Crystal Clear"

Line Card of Capabilities

Equipment:

- > Two Zygo interferometers with up to 6 inch. aperture
- > One 72" continuous polisher, two 48" continuous polishers, two 24" continuous polishers
- > 6000 sq ft. fully operational building
- > 12-15 spindles for polishing radius or flats, compatible with air pressure
- > 8-12 spindles for grinding
- > Two generators, for curve lenses
- > One blanchard, for removing stock from material
- > Four Nikon autocollimator's, for angles of prisms, & flats
- > Heidenhain measuring device
- > Flowbooth and multiple microscopes in a black room for final inspections
- > One bridgeport

Materials:

- > Optical grade Germanium (single & polycrystalline)
- > Amtir 1, 2, 3, & 4
- > Calcium Fluoride (CaF₂)
- > Zinc Sulfide (ZnS)
- > Zinc Selenide (ZnSe)
- > Gallium Arsenide (GaAs)
- > Sapphire
- > Silicon (Si)
- > Optical glass (BK7, fused silica, quartz, SF, SK etc...)

Products:

- > Flats (wave plate, contact flats, windows, test plates, mirrors) up to 24" flats
- > Flatness < 1/20 lambda @633um
- > Radius lenses up to 10" dia.
- > Test plates for radius lenses
- > Surface Quality < 5/2 SD
- > Prisms (corner cubes, rhomboids, penta, boresight, amichi, porro etc...)
- > Angles < 1 arc sec.
- > Optical cell assemblies