

SIERRA PRECISION OPTICS



YOUR COMPREHENSIVE
OPTICS SOLUTION.

QUALITY OPTICS. UNSURPASSED SERVICE.

At Sierra Precision Optics, we have just one priority: provide the utmost in optics quality and performance, coupled with superlative customer service that goes the extra mile.

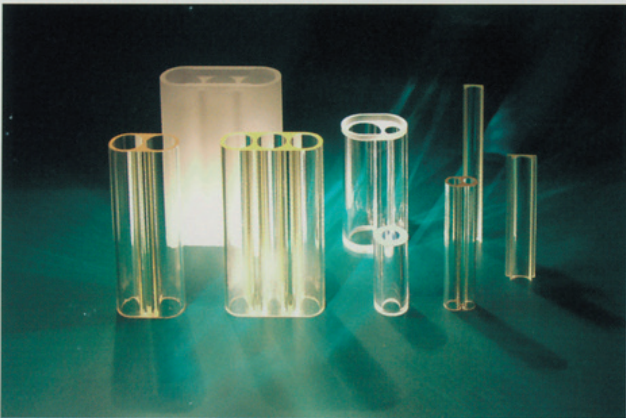
We take great pride in our ability to tackle a full range of optics challenges — from simple to complex, with quantities small to large. We also strive to be the fastest, most cost-effective optics manufacturer in the industry.

Today, Sierra Precision Optics solutions are integral to thousands of advanced systems worldwide in the defense, medical, telecom and industrial markets — from panels and filters for avionics displays, to tight-tolerance cylindrical lenses for telecom, to cavity mirrors for surgical lasers

Challenge us with your unique optics parameters. Leveraging our hand-picked team of seasoned optics specialists, extensive in-house capabilities and broad base of practical hands-on experience, we're determined to exceed your expectations on every level — quality, service, turnaround and pricing.

FROM PLANO OPTICS AND FLOW TUBES, TO CYLINDRICAL AND SPHERICAL LENSES.

Sierra Precision Optics' expertise covers all key optics categories: flatwork — plano optics (filters, panels, windows, mirrors, beam splitters, wedges, prisms); spherical lenses; cylindrical lenses; flow tubes. Our specialties include spherical and cylindrical optics, UV, visible, IR laser components, laser flow tubes and custom-shaped optics.



COATINGS, TOO.

Sierra Precision Optics is positioned to handle your most stringent thin-film coating requests via long-standing partnerships with several leading coating houses. Moreover, it goes without saying we stand behind every coating job as if it were created in-house.



FULL SPECTRUM OF MATERIALS.

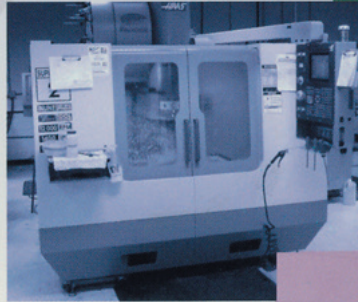
Sierra Precision Optics supports you with an extensive range of standard and special optical glasses within the UV, visible, near and far infrared. These include fused silica, standard and specialty optical glasses including BK7, Pyrex, SF grades, color filter glass, samarium, crystal quartz, calcium fluoride, magnesium fluoride, Zerodur, YAG, silicon, germanium and Zinc Selenide.



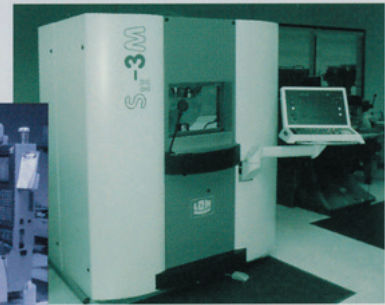
FULLY RAMPED FOR ORDERS LARGE AND SMALL.

From prototype work to large-scale production runs, Sierra Precision Optics is fully ramped to deliver. Our 15,000 square-foot facility houses a complete array of leading-edge shaping, edging, grinding and polishing equipment. This includes CNC machining centers, CNC surface grinders, continuous polishers, continuous grinders, CNC curve generator and polisher. Our metrology includes a Zygo Mark GPI XPS interferometer with $\lambda/10$ cylindrical lens measurement capability, Davidson plano interferometer, Nikon autocollimator and a Mitutoyo optical comparator.

CNC Machining Center



LOH SII-3M Curve Generator



Automatic surface profiler/grinder

ULTRA-FAST TURNAROUND.

At Sierra Precision Optics, we provide turnaround we believe to be the fastest in the industry. Thanks to our efficient quoting system and rapid production cycles, you can expect delivery typically in four to five weeks. Moreover, in special cases, we are prepared to provide turnaround in as short as one week.

SERVICE, SERVICE, SERVICE.

Sierra Precision Optics enjoys an industry-wide reputation for providing the utmost in customer service. You'll enjoy high levels of communications through all phases of your project. We'll happily share insights, suggestions and alternatives to maximize your optics' performance (we've actually helped companies improve product yields — by as much as 50%). And in the case of a particularly challenging project, we'll dig in and help you find the solution. As we like to say, "the impossible only takes a little longer".

CHALLENGE US.

Call Sierra Precision Optics today with your unique optics parameters. Our knowledgeable engineers are ready to discuss your particular needs at length — with no sales pressure whatsoever. We appreciate your interest in Sierra Precision Optics, and look forward to making your optics purchase trouble-free.

THE SIZES AND TOLERANCES YOU DEMAND.

Diameter range:	3.00 mm (0.118 inches) to 254.00 mm (10.00 inches)
Diameter tolerance:	± 0.025 mm (0.001 inches)
Standard tolerance:	± 0.127 mm (0.005 inches)
Minimum thickness:	0.152 mm (0.006 inches)
Thickness tolerance:	± 0.0127 mm (0.0005 inches)
Standard tolerance:	± 0.127 mm (0.005 inches)
Radius standard range:	12.70 mm (0.500 inches) to infinity
Radius tolerance:	to 0.1%
Surface quality:	to 10-5
Surface figure:	to $\lambda/20$
Parallelism/wedge:	to < 5 arc seconds for flatwork
Parallelism/wedge:	to < 3 arc minutes for cylindrical
Centering:	< 30 arc seconds



MISSION STATEMENT

At Sierra Precision Optics, it is our goal to exceed our customer's expectations on every level — from exacting product quality and comprehensive customer care, to industry-leading turnaround and cost-effective pricing.

Phone: (530) 885-6979

Fax: (530) 885-1037

Email: sales@sierraoptics.com

Web: www.sierraoptics.com

12830 Earhart Avenue, Auburn, CA 95602