



Your Custom Needs are Our Standard
Custom and Standard Optics

Better Supply Chain for Reduced Costs, Better Products

Custom optics
for OEMS

Standard lenses,
from 1 mm to 4 in

In-house coating
& assembly

ISO certified



Improving Your Product's ROI

Design for
manufacturability

Small volume on
demand lenses

Offshore vendor
management

Inventory
solutions





Micro Optics

As Small as 1 mm



Custom and Standard Micro Optics

Miniaturization without compromise

- Bi-Convex, Plano-Convex, Doublets, Ball Lenses & Prisms
- 1 to 12 mm (Ball Lenses down to 0.3 mm)
- Surface quality to 20-10

*"I give Ross an A+ for
fabrication and delivery."*





Optical Coatings

3-Day Turnaround Possible



Optical Coatings

Custom coating design and fabrication

- In-house coating in as few as 3 days
- UV (250 nm) through near IR (2400 nm)
- Optical glass, sapphire, fused silica, quartz, silicon, germanium and other substrates available
- Infrared coating between 2 and 12 microns
- Neutral-density and interference coatings

"I give Ross an A+ for fabrication and delivery. I wouldn't hesitate to work with Ross in the future for optics and coatings."





Assemblies

100% Inspection Available



Assembly & Inspection

Rigorous design and quality inspection

- Techniques and parts recommendations to improve finished assembly cost and performance
- White room compliant assembly
- Inspection at the level you need
- ISO 9001:2008

“Out of all our vendors, Ross is one of my favorite to work with. Their 100% inspection means we’ve never seen a quality issue.”



Inspection (continued)

Advanced, in-house metrology equipment

- Trioptics Opticentric
(centering, multi-element, comparative MTF)
- Trioptics OpticSpheric
(focal length)
- Zygo Interferometer
(surface irregularities)
- Trioptics Super Spherotronic
(radius)
- Trioptics PrismMaster MOT
(angles of optical prisms & polygons)
- Perkin Elmer UV/VIS Spectrophotometer
(coating accuracy)
- Starret Optical Comparator
(odd shapes)



Commitment

Our promise to customers

- Family owned and operated since 1988, Ross Optical is committed to improving your supply chain
- Our customer service makes the difference; we offer design suggestions to improve product performance and cost

*We only succeed
by making you succeed.*

