



Your Specialty Needs are **Our Standard**



Custom and catalog specialty
optics, micro-optics and assemblies
that improve your end product.

Better Optical Components on Demand

Ross Optical provides custom, precision engineered solutions for OEM applications. Whether you specialize in R&D, electronics, semiconductors, pharmaceuticals, biomedical or military applications, you'll find products and services to meet your unique needs.

Customers benefit from our capabilities and expertise in custom optical and mechanical design, prototyping, coating and manufacturing. In addition to producing quality optical products and assemblies, we also offer sourcing, inventory, and inspection services.

We work on a case-by-case basis, creating cost-effective solutions for your specialty application, whether you require standard lenses, micro or other hard-to-find optics.

Family-owned and operated since 1988, Ross Optical is committed to the relationships and success of the customers we serve. Ross is ISO 9001:2008 certified.

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

Deanna Burkemper, Buyer/Planner, Synergetics, Inc.

The Strongest Link in Your Supply Chain

Ross Optical can improve your product development and delivery, right from the start:

Design & Specification

Our customer service and engineering team makes suggestions for components, coatings and assembly that drive out cost and improve performance. Our in-house optical and mechanical engineers can help your program succeed from design concept to prototype to high volume delivery.

Standard Specialty Optics

The Ross catalog offers hard-to-find optical components in stock, from 21 partners around the world, removing the risk of overseas procurement from unknown vendors.

Custom Optics

Ross provides small to high volume optics and assemblies for many major OEMs.

Micro Optics (Down to .8 mm)

Some of the smallest available! Ross offers both catalog and custom lenses and assemblies, down to under 1 mm.

Coatings

Ross offers a full range of coatings down to 190 nm, such as broadband anti-reflection, single wavelength AR, Rmax and beam splitters as well as many infrared coatings.

Metrology & Inspection

You set the level of inspection your program demands. We can provide spot to 100% inspection, First Article inspection reports, coating scans, material certifications and RoHs Certificates.

Assemblies

Whether you require white room or clean room assembly, Ross can provide a complete solution.



Specialty Products & Knowledge for Your Applications

Instrumentation

Challenge:

A particle analysis instrumentation company was unable to find a solution for their 2-wavelength, 2-lens assembly need.

Solution:

Ross recommended a single lens with a dual coat to reach 405 and 780 nm wavelength needs, with a 0.1% reflection.

Result:

Improved performance with reduced cost and part count.



Medical Devices

Challenge:

Singlets and doublets for a medical device product line used in eye surgery and exams.

Solution:

Custom optics, produced and inventoried by Ross, to keep the customer's manufacturing lean and product costs down.

Result:

Ross' engineers were able to make cost-saving recommendations right from the start for subsequent products, making Ross one of their most valued suppliers.



"I give Ross high grades
on customer satisfaction."

Ken Chaney, Sr. Buyer, B.E. Meyers





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

Mike Hall, CEO, MAC-CAL

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