

EDMUND OPTICS® & QED TECHNOLOGIES®

## Setting a new standard for quality.

**EDMUND OPTICS®:** Founded 1942, 10 offices worldwide. Known as the world's largest supplier of off-the-shelf optical components.

**MANTRA:** Provide customers with more optics, more technology, more service, more value.

**SSI® IMPACT:** SSI® technology goes beyond the capability of conventional interferometers. Because of the SSI®, we can measure more, measure better, manufacture smarter.

**GREATEST ACHIEVEMENT:** "The SSI<sub>A</sub>® interferometer combined with MRF technology allows us to take a 1 wave asphere and quickly transform it into 1/4 wave or better. No other equipment offering allows for this quick and seamless transition."

**QED**  
Technologies®  
SSI

Engineered in cooperation with



**Edmund  
Optics**

Made  
with  
**MRF**  
and  
**SSI**

**Walter Czajkowski**  
Vice President of Global  
Manufacturing

### QED TECHNOLOGIES' SOLUTIONS

Optics manufacturers and their customers count on SSI® Metrology and MRF® Polishing for superior product quality, manufacturing performance, and profitability. It's the difference between a good optics manufacturer and a great one.  
**Superior optics manufacturing starts with QED.**



Learn more about Edmund Optics® and other Elite100 Optics Manufacturers:  
[www.eliteoptics100.com](http://www.eliteoptics100.com)

**QED**  
Technologies®

Learn about QED Technologies' MRF® Polishing and SSI® Metrology:  
[www.qedmrf.com](http://www.qedmrf.com)

# EDMUND OPTICS & QED TECHNOLOGIES: setting a new standard for quality

Founded in 1942, Edmund Optics Inc. (EO) has been a leading supplier of optics and optical components to industry for 65 years, designing and manufacturing a wide array of multi-element lenses, lens coatings, imaging systems, and opto-mechanical equipment. Originally a supplier of optics and other science items for hobbyist and educational use, EO refocused on industrial optics during the mid-1980s. Since that time the company has become well known as a catalog-based distributor of industrial optics and related products, as well as a source for much more, including application integration, custom lens and coating design, and OEM services.



EO's state of the art manufacturing capabilities has earned it the position of the world's largest supplier of off-the-shelf optical components.

Today, Edmund Optics has 10 offices worldwide and is a leading producer of optics, imaging, and photonics technology. Supporting R&D, electronics, semiconductor, pharmaceutical, biomedical, and military markets around the world, EO products are used in a variety of applications ranging from DNA sequencing to retinal eye scanning to high-speed factory automation. EO's state of the art manufacturing capabilities combined with its global distribution network has earned it the position of the world's largest supplier of off-the-shelf optical components.

Edmund Optics offers both off-the-shelf and custom precision optics and optical components ranging from achromats and aspheres to filters and prisms. Additionally, EO's design expertise and manufacturing resources can take a wide range of products from custom design and prototype to high volume production. Edmund Optics is also well known for its extensive line of TECHSPEC® mechanics and imaging components

Edmund Optics has achieved its success following a mantra of providing its customers with "More Optics, More Technology, More Service, and More Value." Their vision statement to be the world's preferred supplier of optical components has led them to invest in both the people and tools that will make their vision a reality.

Edmund Optics relies on both the Q22-Y MRF® finishing and SSI-A® metrology systems for greater confidence in their manufacturing capabilities. These machines were purchased primarily for the correction of high precision prisms and aspherical surfaces.

The use and integration of both QED machines have allowed for rapid measurement and correction of asymmetrical error found on aspheric surfaces. Direct feedback of the metro-pro software back to the Q22-Y has allowed for quick fixes of the aspherical surface allowing manufacturing lines to run with little downtime, thereby reducing overall cost and allowing EO to realize even greater savings. Additionally, interactions with the QED team have been very efficient and timely. EO found the QED staff to be thoroughly knowledgeable concerning their products and a great resource when questions regarding implementation or machine utilization arose. The Subaperture Stitching Interferometer for Aspheres (SSI-A®) and Q22-Y MRF® machines allow Edmund Optics to take 1 wave aspheres and quickly transform them to 1/4 wave or better. This has allowed EO to meet and exceed customer application needs and remain the preferred supplier of optical components.

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**MRF®/SSI® TECHNOLOGY:** Q22-Y owner since 2004, SSI® owner since 2004

**GREATEST ACHIEVEMENT:** The SSI-A® interferometer combined with MRF technology allows us to take a 1 wave asphere and quickly transform it into a 1/4 wave or better. No other equipment offering allows for this quick and seamless transition.

For more information about Edmund Optics Inc., please visit their website: <http://www.edmundoptics.com/US/>