

Rochester Precision Optics

Customized Aspherical Optics

With Rochester Precision Optics (RPO), LASER COMPONENTS has gained a leading international manufacturer of aspherical precision optics as a partner. The glass optics are pressed using a proprietary precision glass molding (PGM) process. Using this technology, RPO specializes in customized aspheres ranging in size from 1 mm to 60 mm and covering a wide range of focal lengths and numerical apertures. In addition, RPO also offers molded optics made of plastic and CNC-manufactured aspheres for the infrared range. Most elements are custom developed.

Aspherical optics offer numerous practical advantages. Their modulation transfer function is higher than that of spherical lenses, which leads to an enhanced image quality. Therefore, the number of optical elements in many applications can be reduced, which allows for lighter, more compact designs. Furthermore, aspherical optics feature higher tolerances in inclination and alignment.

More Information

www.lasercomponents.com/de-en/product/aspherical-lenses/

Trade Shows

SPIE Optics+Photonics, August 19 - 23, 2018, San Diego, CA, USA, **Booth 527**
Photon 2018, September 04 - 05, 2018, Aston University, **Booth 5**
SPIE Security & Defense, September 11 - 13, 2018, Berlin, Germany **Stand 403**
Photonex Europe, October, 10 - 11, 2018, Ricoh Arena, Coventry, UK, **Booth D15**
Vision, November 06 - 08, 2018, Messe Stuttgart, Germany, **Booth 1G31**
electronica, November 13 - 16, 2018, Messe München, Germany, **Booth B3.524**

The Company

LASER COMPONENTS specializes in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 220 employees worldwide.