

Press Release

Homogeneous Material Removal in Laser Material Processing

Square Vortex DOEs

Holo/OR introduces a donut-shaped diffractive optical vortex element with a square outside profile. The best part about this element: The outside profile is square, while the inside is round. The technical challenges to achieving a square outer cross section were enormous. Impressive is the advantage: These elements make it possible to achieve homogeneous material removal in laser material processing.

Vortex DOEs are enjoying increased popularity. These components put very few demands on the laser beam and on the distance to the working area. Another advantage of these components is the intensity distribution of the laser beam: A laser beam features the highest beam intensity at its center. The Vortex element "redirects" the power to the edges to achieve a higher efficiency of the overall system.

LASER COMPONENTS distributes the diffractive optical elements in Germany and the US.

More Information

<http://www.lasercomponents.com/lc/product/diffractive-optical-elements-for-beam-shaping/>

Trade Shows

Security + Defence, Sept., 24 - 25, 2013, Internat. Congress Center Dresden, Germany, Booth 304

enova - OPTO, Oct., 08.-10., 2013, Paris Porte de Versailles, France, Booth L9

PHOTONEX 2013, Oct., 16.-17., 2013, Ricoh Arena, Coventry, UK, Booth D20

BiOS EXPO 2014, Feb., 01.-02., 2014, The Moscone Center, San Francisco, USA, Booth 8517

Photonics West 2014, Feb., 04.-06., 2014, The Moscone Center, San Francisco, USA, Booth 517

The Company

LASER COMPONENTS is specialized in the development, manufacture, and sale of components and services for the laser and opto-electronics industries. With sales offices in four different countries, the company has served its customers since 1982. In-house production at six locations in Germany, Canada, and the USA began in 1986 and is meanwhile responsible for about half of its turnover. Currently, the family-run business employs more than 150 people worldwide.