

17<sup>th</sup> July

2012



## Press Release

### Diffractive Optical Elements for High-Power Applications

#### Homogenizer – Now Available without Speckle Effects

With resounding success, LASER COMPONENTS' partner Holo/OR designed an innovative homogenizer without speckle effects. In the past, customers have frequently criticized speckle effects in the homogenizers previously available on the market. The integration of two individual elements has brought an improvement.

The new high homogeneity HH model is a DOE with a diffractive structure on each side. Due to the precise position of both structures to one another, these elements perform much better than two separate elements in a row would.

Similar to standard homogenizers, these new diffractive optical elements produce a square, round, or hexagonal beam profile depending on the design. Upon request, other beam profiles can also be designed. Just get in contact with the distributor LASER COMPONENTS.

Holo/OR's DOEs can be used for high-power lasers. It is possible to produce designs for the wavelength range between 193 nm and 10.6  $\mu\text{m}$ .

#### More Information

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

#### Trade Shows

**Photonex 2012**, October, 17-18 2012, Ricoh Arena, UK, **Booth D20**  
**Opto**, October 23-25, 2012, Paris Expo, Porte de Versailles, France, **Hall 1**  
**Vision 2012**, Nov, 06-08, 2012, Trade Fair Centre Stuttgart, Germany, **Booth 1F14**  
**electronica 2012**, Nov, 13-16, 2012, Munich International Trade Fairs, Germany, **Booth A2.306**

#### 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 140 people worldwide.