

New Coating Technology Leads to Cost-effective Triple Mirrors

High-Power Laser Mirrors Reflect Three Wavelengths

LASER COMPONENTS developed a new coating process for so-called triple mirrors that makes it possible to apply this complex layer design in one pass. Coatings for three wavelengths used to have to be manufactured in two passes. The new method not only results in higher specifications, but it also has the additional advantage of a shorter duration of production.

Furthermore, the new applied coating unit contains more substrates than before, allowing larger amounts to be produced. This positively affects the unit price.

Triple mirrors are used, for example, in Nd:YAG laser systems that emit at the fundamental wavelength 1064 nm (IR) and have harmonic waves at 532 nm (green) and 355 nm (UV). Customers can pick their wavelengths individually – many combinations are possible.

More Information

www.lasercomponents.com/de-en/news-events/request-form-laser-optics/

Trade Shows

SHOT Show, January 16, 2017, Las Vegas, NV, USA, **Table Top**

SPIE Photonics West, January 13 - February 02, 2017, San Francisco, CA, USA, **Booth 2023**

MD&M West Expo, February 07-09, Anaheim, CA, **761**

Automate 2017, April 3-6, 2017, Chicago, IL, USA, **Booth 2661**

Breko 2017, 25-26 April 2017, Messe Frankfurt, **Booth 53**

SPIE Defense + Commercial Sensing, April 11-13, 2017, Anaheim, CA, USA, **628**

ANGACOM, May 30 - June 01, 2017, Cologne, Germany

Sensor+Test, May 30 - June 01, 2017, Nürnberg, Germany, **Booth 1-256**

LASER World of Photonics, June 26-29 2017, Messe Munich, **Booth B3.303**

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 200 employees worldwide.