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2014



Press Release

High-Power Coatings in the UV Range

Complex IBS Coatings Starting at 266 nm

Particularly complex coating designs with compact and homogeneous layers that retain barely any water are manufactured with the ion beam sputtering technology, IBS. These optical coatings are extremely low drift and insensitive to temperature fluctuations; in many cases they have more than 100 layers. As a result, reflections of $R > 99,99\%$ are possible for mirrors.

LASER COMPONENTS uses a new coating material that makes it possible to create coatings in the spectral range starting at 260 nm. Typical products are complex mirror coatings at 266 nm and 355 nm and thin-film polarizers in the UV range.

Another advantage are the high damage threshold values, measured at 532 nm, 1064 nm, and 2 μ m. Compared to conventional layers the damage threshold at 1064 nm (20 ns, 20 Hz) is several times higher.

Because of the new coating material, novel and very specialized products are possible. Customer searching for a special coating with extraordinary characteristics are in good hands at LASER COMPONENTS: Not only the R&D department is located in Germany but also the production facility. Joint projects with customers are possible in many cases – directly contact the company for further information.

More Information

<http://www.lasercomponents.com/de-en/optics/laser-optics/coated-laser-optics/>

Trade Shows

S.E.E. 2014, Apr., 08. - 10., 2014, Kistamässan, Sweden, **Booth C11:49**
Optatec 2014, May, 20. - 22., 2014, Messe Frankfurt, Germany, **Booth E01**
ANGA COM, May, 20. - 22., 2014, Koelnmesse, Germany, **Booth 10.1/T35**
Sensor + Test 2014, Jun., 03. - 05.2014, Messe Nürnberg, Germany, **Booth 12.117**
maintain 2014, Jun., 03.-06.2014, Messe München, Germany, **Booth B6.131**

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 four different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the USA. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 160 employees worldwide.

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