

Press Release

AR Coating of GRIN Lenses

Coating of Temperature-sensitive Optics

What has been hardly possible so far now becomes a reality! The complex coating of temperature-sensitive optics at process temperatures below 100° C is most promising – despite the long coating times required for such complex structures.

Most coatings are applied in high vacuum at temperatures well above 100° C which has a negative impact on some materials. This can lead to discoloration or malfunction.

LASER COMPONENTS has now succeeded in applying a broadband AR coating on such critical optics using IBS (ion beam sputtering). After coating, gradient-index (GRIN) optics were able to achieve an average reflection <1.5% in the range from 400 nm to 1000 nm. This allows a large wavelength bandwidth and large differences in the angle of incidence to be compensated.

More Information

<http://www.lasercomponents.com/de-en/news/grin-lens-coatings/>

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, 13-17, 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.