

Press Release



For the Best Reflection Values

Coating of Optical Fiber End Faces

LASER COMPONENTS has been the leading manufacturer of coated fibers for many years: our in-house coating department and fiber optics production are both under the same roof. The conditions for manufacturing at the highest level could not be better; we can respond quickly and flexibly to the individual needs of our customers.

Using physical vapor deposition (PVD), various fiber types – but primarily large-core fibers – are coated with high damage thresholds. This minimizes back reflections, which is extremely important, in particular when transmitting high power levels. Depending on the type of coating, reflection values between 0.2% and 0.5% can be achieved.

Due to the in-house core competencies, LASER COMPONENTS is able to coat both patchcords with standardized connector solutions and customer-specific ferrules. Bare fiber tips without a connector are also part of our repertoire.

The following is a list of examples of the most common AR coatings:

- Single AR: Coating for a single wavelength (e.g., 808 nm)
- Dual AR: Coating for two wavelengths (e.g., 808 nm and 980 nm)
- Broadband AR: Coating for a wide wavelength range (e.g., 460 nm to 700 nm)

More Information

<http://www.lasercomponents.com/de-en/product/ar-coatings-2/>

Trade Shows

Photon 2014, Sept. 01-04, 2014, Imperial College London, UK, **Booth 19**
Strategies in Biophotonics, Sept. 09-11, 2014, Boston Park Plaza Hotel, Boston, USA, **Booth 500**
enova, Sept. 16-18, 2014, Paris expo Porte des Versailles, **Booth C11**
Photonex 2014, Oct. 15-16, 2014, Ricoh Arena, Coventry, UK, **Booth D20**
Vision 2014, Nov. 04-06, 2014, Messe Stuttgart, Germany, **Booth 1F14**
electronica 2014, Nov. 11-14 2014, Messe München, Germany, **Booth B1-306**

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 USA. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 170 employees worldwide.