

Press Release

Production Facility in Germany

Assembling and Processing Sapphire Fibers

LASER COMPONENTS has been assembling optical fibers since 1995. Starting immediately, sapphire fibers can also be processed directly using a newly-developed polishing technique. The new processing options make it possible to achieve fast delivery times, to offer customer-specific solutions, and to assemble fibers with all common connector systems at attractive prices.

Sapphire fibers have excellent material properties and are particularly well suited for applications at 2.94 μm . Due to their high melting point and chemical resistance, these fibers can be used under extreme environmental conditions. These fibers are commonly used in processing plants in which chemical reactions must be closely monitored.

Compared to the polishing of glass fibers, the processing of sapphire fibers is much more involved due to the crystalline structure of the material. In this process, the trick to obtaining optimally polished surfaces is not to fracture the crystals.

More Information

<http://www.lasercomponents.com/de-en/product/sapphire-fibers/>

Trade Shows

BiOS 2013, Feb, 2-3, 2013, Moscone Center, San Francisco, USA, **Booth 8517**
Photonics West 2013, Feb, 5-7, 2013, Moscone Center, San Francisco, USA, **Booth 517**
LASER. World of Photonics, 13.-16.05.2013, Neue Messe München, Germany

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.