

### 1000s of Fibers within a Standard Connector

## Fiber Bundles for High-Power Applications

In addition to pure illumination applications, fiber bundles are also used for applications such as material processing, UV curing, photolithography, UV spectroscopy, sensor technology, analytics, UV illumination, and Raman spectroscopy. LASER COMPONENTS now offers fiber bundles for all applications: with very high packing densities and in different arrangements: round, square, linear, and hexagonal shapes are all possible. All assemblies are custom built. Production makes it possible to create single prototypes and large quantities in series. Thousands of fibers can be contained in a single fiber bundle; therefore, the active area or cross-section knows no bounds.

For high-power applications, LASER COMPONENTS has added Polymicros new Fused Fiber Bundles to the portfolio. Fiber bundles so far had a difficult time getting a foothold on the market. This can be attributed to the adhesive used on the front surface.

Thanks to the fused technology, the front surface is now free of adhesive. This improves transmission. These properties qualify fused fiber bundles for high-power laser and lamp transmissions and high-temperature applications. Power levels equivalent to the damage threshold of the fiber material used can be transmitted: generally, 1 GW/cm<sup>2</sup>.

**Weitere Informationen** [www.lasercomponents.com/de-en/product/fiber-bundles-for-industrial-applications/](http://www.lasercomponents.com/de-en/product/fiber-bundles-for-industrial-applications/)

### Trade Shows

**The Vision Show**, May 03-05, 2016, Hynes Convention Center Boston Massachusetts USA, **Booth 656**  
**analytica**, May 10-13, 2016, Messe München, **Booth A2.500**  
**Sensor + Test**, May 10-12, 2016, Messe Nürnberg, **Hall 1, Booth 256**  
**LaSys**, May 31-June 02, 2016, Messe Stuttgart, **Booth 4A16**  
**AngaCom**, June 07-09, 2016, Messe Köln, **Hall 10.2, Booth J35**  
**Optatec**, June 07-09, 2016, Messezentrum Frankfurt/Main, **Hall 3, Booth E01**  
**Photonex Scotland Roadshow**, June 08, 2016, Heriot-Watt University UK, **Booth S22**  
**Sensors Expo & Conference**, June 22-23, 2016, San Jose USA, **Booth 1240**  
**Automatica**, June 21-24, 2016, Messe München, **Booth B5.503**  
**Photon 16**, September 06-07, 2016, University of Leeds UK, **Booth 5**  
**ECOC 2016**, September 19-21, 2016, Düsseldorf, **Booth 102**  
**Photonex Coventry 2016**, October 1-13, 2016, Ricoh Arena UK, **Booth D15**  
**VISION 2016**, November 08-10, 2016, Messe Stuttgart, **Booth 1C33**  
**Electronica 2016**, November 08-11, 2016, Messe München,

### 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.