

Custom High-Power Fiber Bundles

Power Levels of up to 1 GW/cm²

LASER COMPONENTS now also offers fiber bundles for high-power, lamp-transmission and high-temperature applications. LASER COMPONENTS uses fiber-fusing technology for assembly, which allows fibers to be configured into a fiber bundle without the use of adhesives. This prevents the typical dead zones and the adhesive gap between the fibers in the end face area. The damage threshold of the fiber (1 GW/cm²) can thus be fully utilized. The fiber bundles assembled in this way can therefore also be used in high-power applications or under demanding environmental conditions.

Upon request, LASER COMPONENTS can also equip the fiber ends with an AR coating to prevent back reflections and thus increase the coupling efficiency to a maximum.

In addition to standard assemblies, the company also manufactures custom fiber solutions in which the customer can freely combine a large selection of connectors, protective jackets, and fiber materials.

More Information

<https://www.lasercomponents.com/us/product/assembled-optical-fiber-bundles/>

Trade Shows

Crossroads of Biology, July 23 – August, 2019, Cold Spring Harbor, NY, USA
SPIE Optics+Photonics, August 13 – 15, 2019, San Diego, CA, USA, **Booth 425**
ECOC, September 22 – 26, 2019, Dublin, Ireland, **Booth 337**
22. Breitbandkongress des FRK, September 23 – 24, 2019, H4 Hotel, Leipzig
Measurement World, September 24 – 26, Paris expo Porte de Versailles, France
JNPLI, September 25 – 26, 2019, Strasbourg, France
Photonex Europe, October 09 – 10, 2019, Ricoh Arena, Coventry, UK, **Booth D15**

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 230 employees worldwide.