

Superior Components for Laser Pumping

Pump Combiners for Fibre Lasers and Fibre Amplifiers

Lightel's high-power pump combiners are mainly used to combine the power of several multi-mode lasers and thus obtain delivery and pump fibres with a high output power. At LASER COMPONENTS, these passive components are available for applications with up to 37 laser sources and total powers of up to 8,000 W.

With the air-clad technology developed by the manufacturer, a rate of efficiency of 90% and higher can be achieved for power coupling. Depending on the application, the combiners are available with different fibres and fibre combinations. Polarisation-maintaining (PM) configurations are also possible.

This technology is used for both fibre lasers and erbium-doped fibre amplifiers (EDFAs). In addition to stability and reliability, high power transfer efficiency is crucial. Therefore, it is particularly important to adhere to the strict requirements that apply to production.

Custom designs for single-mode and polarisation-maintaining (PM) fibres are also available upon request. The fibres can also be provided with fibre Bragg gratings.

More Information

www.lasercomponents.com/uk/product/pump-combiners-for-laser-applications/

Trade Shows

Sensors Expo & Conference, June 25 – 27, 2019, San Jose, CA, USA, **Booth 419**
LASER World of PHOTONICS, June 24 – 27, 2019, Munich, Germany, **Booth B3.303**
SPIE Optics+Photonics, August 13 – 15, 2019, San Diego, CA, USA, **Booth 425**
ECOC, September 22 – 26, 2019, Dublin, Ireland, **Booth 337**
Photonex Europe, October 09 – 10, 2019, Ricoh Arena, Coventry, UK, **Booth D15**

The Company

LASER COMPONENTS specialises 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.