

## Press Release

### When it has to be leakproof

#### Hermetical Feedthroughs for Optical Fibers

With hermetic feedthroughs for optical fibers, optical signals can easily be delivered into a vacuum or pressure chamber. LASER COMPONENTS offers this components for pressures of up to 1000 bar and a vacuum as little as  $10^{-9}$  mbar.

Different versions for single-mode and multi-mode fibers of the partner SEDI Fibres Optiques are available. In multi-mode fibers, core diameters of 50  $\mu\text{m}$  to 1000  $\mu\text{m}$  can be achieved. In single-mode fibers, it is possible to also use polarization-maintaining fibers. FC/PC and FC/APC connectors are available for these fibers; ST and SMA connectors for the multimode fibers.

Mounting these feedthroughs on a chamber wall is done using a simple mounting flange that holds the feedthrough steady with a counter nut. To meet the specifications required of vacuum technology, CF flange and KF flange versions are also available.

The hermetically sealed feedthroughs are available as coupler and as inline versions. Special designs that include customer-supplied speciality fibers, multiple channel designs, and optical/electrical hybrid feedthroughs are available upon request.

#### More Information

<http://www.lasercomponents.com/de-en/product/hermetic-feedthrough/>

#### Trade Shows

**BiOS 2012**, January 21-22, 2012, The Moscone Center, San Francisco, **South Hall – Booth 8517**  
**Photonics West 2012**, Jan. 24-26, 2012, Moscone Center, San Francisco **South Hall – Booth 517**  
**Analytica 2012**, April, 17-20, 2012, Munich International Trade Fairs, **Booth A2.400A**  
**Optatec 2012**, May, 22-25, 2012, Frankfurt Exhibition Centre, **Booth E01**  
**Sensor + Test 2012**, May, 22-24, 2012, Nürnberg Exhibition Centre, **Booth 12-426**

#### 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 130 people worldwide.