

15<sup>th</sup> July

2014



## Press Release

### How to Guide Your CO<sub>2</sub> Laser Light Correctly

#### Fiber Coupler for CO<sub>2</sub> Lasers with Patchcord Connection



LASER COMPONENTS introduces its coupling unit for CO<sub>2</sub> lasers: They are easily connected to the CO<sub>2</sub> laser so that laser beams are coupled with low loss into a hollow-core fiber - the diameter of the laser beam can be up to 5,00 mm. Analyses show very good transmission behavior for fibers with an inner core diameter of 750 µm and 1000 µm.

Due to its modular flange design, the coupling unit can be connected to any available CO<sub>2</sub> laser source. Several adjustment screws make it possible to optimally adjust the laser beam across two rotatory and three translational axes. To connect a fiber, the coupling unit is equipped with an SMA connection. Appropriate hollow core fibers in a rugged metal jacket are available, too. Moreover, they are equipped with a ZnSe window to prevent dirt from entering.

#### More Information

<http://www.lasercomponents.com/lc/fiber-optics/accessories/fiber-couplers/>

#### Trade Shows

**Photon 2014**, Sept. 01-04, 2014, Imperial College London, UK, **Booth 19**  
**Strategies in Biophotonics**, Sept. 09-11, 2014, Boston Park Plaza Hotel, Boston, USA, **Booth 500**  
**enova**, Sept. 16-18, 2014, Paris expo Porte des Versailles, **Booth C11**  
**Photonex 2014**, Oct. 15-16, 2014, Ricoh Arena, Coventry, UK, **Booth D20**  
**Vision 2014**, Nov. 04-06, 2014, Messe Stuttgart, Germany, **Booth 1F14**  
**electronica 2014**, Nov. 11-14 2014, Messe München, Germany, **Booth B1-306**

#### 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 four different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the USA. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 170 employees worldwide.

1 Germany & Other Countries  
Laser Components GmbH  
Tel: +49 8142 2864 - 0  
Fax: +49 8142 2864 - 11  
info@lasercomponents.com  
[www.lasercomponents.com](http://www.lasercomponents.com)

USA  
Laser Components USA, Inc.  
Tel: +1 603 821 - 7040  
Fax: +1 603 821 - 7041  
info@laser-components.com  
[www.laser-components.com](http://www.laser-components.com)

United Kingdom  
Laser Components (UK) Ltd.  
Tel: +44 1245 491 499  
Fax: +44 1245 491 801  
info@lasercomponents.co.uk  
[www.lasercomponents.co.uk](http://www.lasercomponents.co.uk)

France  
Laser Components S.A.S.  
Tel: +33 1 39 59 52 25  
Fax: +33 1 39 59 53 50  
info@lasercomponents.fr  
[www.lasercomponents.fr](http://www.lasercomponents.fr)