

## LiNbO<sub>3</sub> Components for Optical Networks

### Fiber-Based Electro-Optic Modulators

LASER COMPONENTS has gained a new partner for fiber-based electro-optic modulators with up to 40 Gbit/s: iXBlue. This French company is a leading manufacturer of LiNbO<sub>3</sub> intensity and phase modulators as well as polarization switches and specialty modulators developed on customer specifications. These products cover a wide range of wavelengths including 800 nm, 1060 nm, 1300 nm, 1550 nm und 2 µm. Delivery includes respective drivers and heat sinks.

In electro-optical modulators, the refractive index of the LiNbO<sub>3</sub> crystal changes as soon as it is exposed to an electromagnetic field, thus causing a shift in the phasing of the laser light. This method allows for optical time multiplexing in telecommunications networks. But this kind of modulators is also used in research facilities, manufacturing and nuclear physics.

#### More Information

<https://www.lasercomponents.com/de-en/product/fiber-optical-modulators/>

#### Trade Shows

**SPIE Photonics West**, January 30 - February 01, 2018, San Francisco, CA, USA, **Booth 1931**  
**MD&M West**, February 06 - 08, 2018, Anaheim, CA, USA, **Booth 3593**  
**Breko Glasfasermesse**, March 13 - 14, 2018, Messe Frankfurt, Germany  
**EuroExpo**, March 21 - 22, 2018, Trondheim, Norway, **Hall E**  
**Photonex London**, April 11, 2018, Imperial College London, UK, **Booth S14**  
**analytica**, April 10 - 13, 2018, Messe München, Germany, **Booth A2.500**  
**The Vision Show**, April 10 - 12, 2018, Boston, MA, USA, **Booth 410**  
**SPIE Defense & Commercial Sensing**, April 17 - 19, 2018, Orlando, FL, USA, **Booth 1029**  
**SPIE PHOTONICS Europe**, April, 24 - 25, 2018, Strasbourg, France, **Booth G325**  
**Scandinavian Electronics Event**, April, 24 - 26, 2018, Kistamässan, Sweden, **Booth C08:49**  
**LaSys**, June 05 - 07, 2018, Messe Stuttgart, Germany, **Booth 4C33**  
**ANGACOM**, June 12 - 14, 2018, Messe Köln, Germany  
**automatica**, June 19 - 22, 2018, Messe München, Germany, **Booth B5.501**  
**Sensor+Test**, June 26 - 28, 2018, Messe Nürnberg, Germany, **Booth 1.256**  
**Sensors Expo & Conference**, June 27 - 28, 2018, San Jose, CA, USA, **Booth 225**  
**SPIE Optics+Photonics**, August 19 - 23, 2018, San Diego, CA, USA, **Booth 527**  
**Photonex Europe**, October, 10 - 11, 2018, Ricoh Arena, Coventry, UK, **Booth D15**  
**Vision**, November 06 - 08, 2018, Messe Stuttgart, Germany, **Booth 1G31**  
**electronica**, November 13 - 16, 2018, Messe München, Germany

#### 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 220 employees worldwide.