

FLEXPOINT® MV fiber with Fiber-coupled Technology

Laser Module with Superior Beam Shape over Single-mode Fiber

The FLEXPOINT® MV fiber laser module drives machine vision systems to new heights. The single-mode fiber reduces scattered laser light and prevents side modes, which results in precise laser projection in 3D measurements, biophotonics, and medical applications.

“We see a growing interest in laser modules for machine vision”, contributes Gary Hayes, CEO Laser Components USA. “New applications are opening up to lasers, because of the ease of use and affordability. It is therefore important to continually offer new application-specific models. This is where we make the difference and where we want to grow further”.

The MV fiber achieves outstanding laser beam stability, due to the remote connection between the beam-shaping optics and the active laser part. The thermal drift is reduced to nearly zero, optimizing the performance of the electro-optical system.

The laser module is particularly suited for OEM system integration when a compact design and remote beam delivery are critical factors. The laser part and the optical head can be ordered separately, which offers high flexibility to the customer in designing his laser projection system.

All FLEXPOINT® MV models meet the highest quality standards and can be customized according to the requirements of the application. The MV fiber laser modules are introduced to the market at the wavelengths of 450 nm and 660 nm with an optical power output of up to 50 mW. Standard FC/PC connectors are used. The optic head can be equipped with different beam profiles, such as homogeneous lines, lines with a Gaussian distribution, dot projections, and more than 60 different DOE optics that produce parallel lines, dot matrices, circles, and the like.

More Information

www.lasercomponents.com/lc/product/flexpoint-mvfiber/

Trade Shows

VISION 2016, November 08-10, 2016, Messe Stuttgart, Germany, **Booth 1C33**

Electronica 2016, November 08-11, 2016, Messe München, Germany **Booth B1.306**

SHOT Show, January 16, 2017, Las Vegas, NV, USA

SPIE Photonics West, January 13 - February 02, 2017, San Francisco, CA, USA, **Booth 2023**

MD&M West Expo, February 07-09, Anaheim, CA, **Booth 761**

Automate 2017, April 3-6, 2017, Chicago, IL, USA, **Booth 2661**

SPIE Defense + Commercial Sensing, April 11-13, 2017, Anaheim, CA, USA, **Booth 628**

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 200 employees worldwide.