

Beamage-M2

Fast and Easy M^2 Measurement

With the Beamage-M2, Gentec-EO has now introduced an automated system that can determine the quality of a laser beam in only 20 to 60 seconds by means of an M^2 measurement. Available exclusively from LASER COMPONENTS, this system is the only one in the world with a complete set of 50 mm optics. This allows measurements to be made on larger beam diameters and divergence angles. The detector is a particularly large CMOS sensor chip (11.3 x 11.3 mm) with a resolution of 4.2 megapixels. All measurements comply with ISO11146 and ISO13694.

Two adjustable deflecting mirrors ensure that the laser beam can be adjusted easily and flexibly. The beam path is "folded" 180° inside the device via two factory-set deflecting mirrors. This enables 400 mm of travel of beam path at an optimized speed, requiring a minimal amount of space.

With its handy design, the Beamage-M2 can be easily mounted on optical tables. This makes it ideal for use in R&D laboratories. Automatic and manual measurements are possible via user-friendly software.

The beam quality factor M^2 describes the difference between the divergence angle of a laser beam and the ideal Gaussian beam. The smaller the value, the better a laser can be focused.

More Information

www.lasercomponents.com/de-en/product/beam-profilers-beam-profile-measurement/

Trade Shows

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, Munich, Germany, **Booth B3.524**
SPIE Photonics West, February 05 – 07, 2019, San Francisco, USA, **Booth 1751**
ATX West Automation, February 05 – 07, 2019, Anaheim, CA, USA, **Booth 4166**
BREKO, March 27 – 28, 2019, Wiesbaden, Germany
Automate, April 08 – 11, 2019, Chicago, IL, USA, **Booth 8536**
SPIE DCS, April 16 – 18, 2019, Baltimore, MD, USA, **Booth 524**
ANGACOM, June 04 – 06, 2019, Cologne, Germany
Sensors Expo & Conference, June 25 – 27, 2019, San Jose, CA, USA, **Booth 419**
LASER World of PHOTONICS, June 24 – 27, 2019, Munich, Germany
SPIE Optics+Photonics, August 13 – 15, 2019, San Diego, CA, USA, **Booth 425**

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.