

BEAMAGE-M2

Automated M-squared measurement system. Comes with BEAMAGE-4M, 5 lenses, 3 ND filters, and 2 external beam-steering mirrors.



KEY FEATURES

The BEAMAGE-M2 is an automated laser beam quality measurement system.

LARGE APERTURES

The only M2 system on the market equipped with a complete set of 50mm optics. Also, the sensor is 11.3 x 11.3 mm.

SIMPLE ALIGNMENT

Two beam-steering mirrors are included for quick and easy alignment of your laser into the system. The internal mirrors are factory-aligned and the pre-set height also simplifies the alignment.

COMPACT

The low-profile ingenious mechanics make it easy to fit the device on any optical table.

ISO COMPLIANT

The calculations are fully compliant to the ISO 11146 and 13694 standards.

FAST ACQUISITION

Make a complete, ISO-compliant measurement in only 20 seconds with the ROI feature, and in less than a minute with full-frame acquisition.

FLEXIBLE & INTUITIVE SOFTWARE

In the easy-to-navigate software, both automatic and manual settings are available, so data points can be added or removed even after an automatic scan is completed.

SPECIFICATIONS

MEASUREMENT CAPABILITIES

Spectral range	350 - 1100 nm
Minimum measurable beam	55 μ m
Included filter	3 flip-mount attenuators for 8 levels of attenuation, from none to ND3.5
Sensor technology	BEAMAGE-4M included
Effective aperture	\varnothing 48 mm optics, 11.3 x 11.3 mm sensor
Beam diameter range	55 μ m to 11.3/3 mm, at the sensor
Mechanical travel range	200 mm
Effective optical path range	400 mm
Lens focal length	5 AR-coated lenses included: 200 mm, 250 mm, 300 mm, 400 mm and 500 mm
Typical M ² accuracy	\pm 5%, depending on the beam quality and optical configuration
Typical M ² repeatability	\pm 2%, depending on the beam quality and optical configuration
Applicable light sources	CW and pulsed
Typical measurement time	45 sec with full-frame acquisition
Beam diameter definitions	D4 σ (ISO compliant) 1/e ² along crosshairs (13.5%) FWHM along crosshairs (50%) Custom (%)
Beam quality definitions	Laser beam quality: M2 (ISO-compliant) Beam Propagation factor: BPP Width at waist Waist location and offset Divergence angle Rayleigh length Astigmatism

PHYSICAL CHARACTERISTICS

ORDERING INFORMATION

INTERESTED IN THIS PRODUCT?

GET A QUOTE

Find your local sales representative at gentec-eo.com/contact-us