

## BEAMAGE-M2

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



### PRODUCT FAMILY KEY FEATURES

#### NEW: AUTOMATIC SCAN

With the "RUN M2 SETUP" button, the software automatically defines new parameters for a more precise  $M^2$  measurement. The "ISO SCAN" data set complies with the ISO-11146  $M^2$  measurement standard, being spread between  $-3Z_R$  and  $+3Z_R$ .

The automatic settings are updated after each calculation, considering the values of  $Z_0$  and  $Z_R$  from the latest measurement.

#### LARGE APERTURES

The only  $M^2$  system on the market equipped with a complete set of 50-mm 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 with 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 $\mu$ 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 $\mu$ m to 11.3 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 $\sigma$ (ISO compliant) 1/e <sup>2</sup> along crosshairs (13.5%) FWHM along crosshairs (50%) Custom (%)
Beam quality definitions	Laser beam quality: M2 (ISO-compliant) Beam Propagation factor: BPP

## PHYSICAL CHARACTERISTICS

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Dimensions	172H x 193W x 602D mm
Weight	6.6 kg

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## ORDERING INFORMATION

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BEAMAGE-M2	203605
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Specifications are subject to change without notice. Refer to the user manual for complete specifications.

## INTERESTED IN THIS PRODUCT?

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