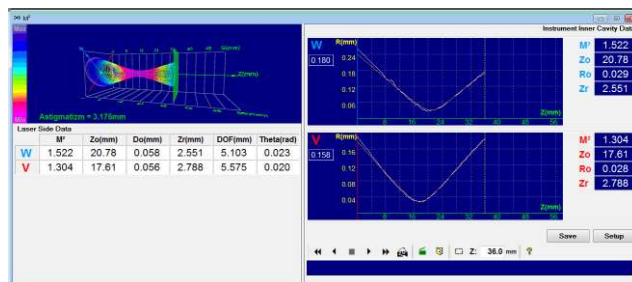




# M<sup>2</sup>, FocusGage – BA

**NEW**

Advanced High Divergence Laser Beam Analyzing for LD & Fiber Optics



## Specifications

### Input Beam

Input aperture	9 mm (max. beam size)
Minimum focused beam size	10 microns (Warning: Beam should be positioned within measuring range per attached drawing)
Measuring Method	Tomographic Knife-edge beam reconstruction – see <a href="#">Tutorial Fundamentals of Laser Beam Measurements</a> Mounted on an accurate 50 mm linear stage
Measuring Parameters	Beam Size, Power, 2D – 3D Beam Profile specific location
Beam Propagation Parameters	BPP over up to 50 mm range, M <sup>2</sup> and depth of focus along propagation direction, see <a href="#">Tutorial Fundamentals of M2 Beam Propagation</a>
Resolution	Better than 1 micron @ waist position
Position Accuracy Measurement	Better than ±5 microns
Optional	ND Filters according to application
Spectral Range	800 – 1800 nm (IR10 version)
Beam Power Range	Up to 1W with appropriate filter CW Lasers only
Number of Knife-edges	7
Divergence Angle	Max. ± 35 degrees

## Main Features

- A unique instrument for measuring laser diodes, fiber optics & high divergence beams.
- Small & Large beam measurement at waist position, down to 10 microns.

## Software Features

- Real-time M<sup>2</sup>, BPP & Divergence measurements of focused beams.
- Automatic measurement by a moving stage along 50 mm (Maximum measured beam propagation).
- Data logging and detailed statistics.
- ActiveX package to control software from your application.
- Detailed analysis of beam selected by the user.

Accuracy:

M<sup>2</sup> Value: ±5%

Position Accuracy along propagation axis ± 10 micron

Resolution: 1 microns

Angle Measurement Accuracy: Typical better than ±3%



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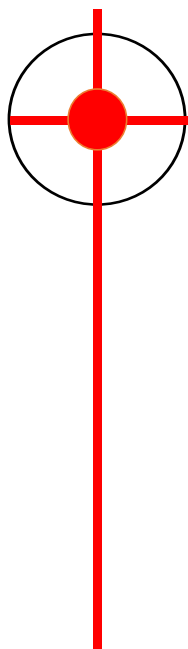


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June 2022

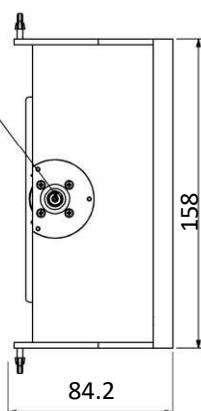


# M<sup>2</sup>, FocusGage – BA

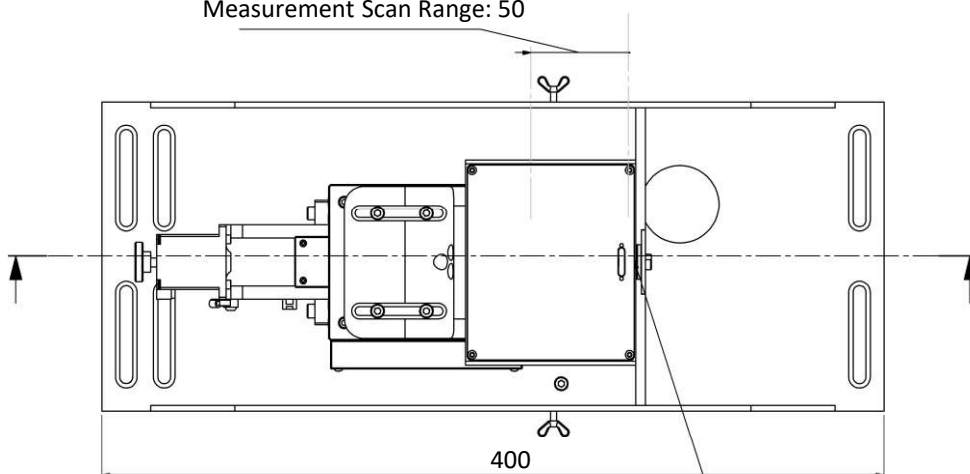
NEW

Advanced High Divergence Laser Beam Analyzing for LD & Fiber Optics

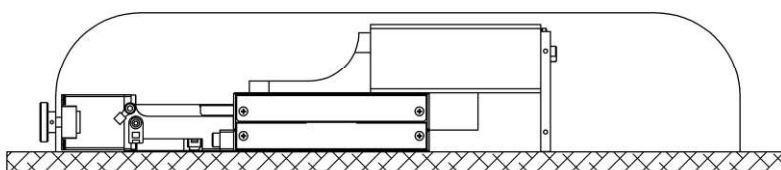
Interchangeable Fiber Optic  
Adaptor or laser diode adaptor



Measurement Scan Range: 50



Interchangeable BA Head compatible  
with Head for M2Beam



Dimensions are in mm.

## Ordering Information

### M<sup>2</sup> FG/BA:

The measuring head is interchangeable with M2Beam and can be operated as a standalone (Silicone Version, for InGaAs version contact factory).



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