



RAYTOOLS
BM116E SERIES

EtherCAT Smart ZOOM Laser Cutting Head

Power Rating **6KW/8KW**



Communication and control based on EtherCAT.

4-Color LED lamps to monitor status.

Automatic change of beam spot size.

Optimized optical configuration and smooth gas circuit.

Continuous monitoring to cover glass.

Top cover glass is used to further protect collimation lens.

Technical Data

Fiber Interface	QBH, QD, Q+
Clear Aperture	50.8 mm
Auto focus	
- Magnification Ratio of Collimated Beam	1.2 X ~ 4.0X
- Range	1.2/1.5/2.0/2.5/3.0/3.5/4.0
- Accuracy	≤ 50μm
Cover Glasses	
- Top	Φ37 * 1.6 mm
- Bottom	Φ37 * 7 mm

Nozzle Styles	Single, Double, Custom
Diameter of Nozzle tip	1.0mm, 1.2mm, 1.4mm, 1.5mm, 1.6mm, 1.8mm,2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm, 6.0mm, 7.0mm, 7.5mm, 8.0mm, 8.5mm, 9.5mm, 10.0mm
Assist Gas Pressure	≤ 30 bar
Weight	~7.8kg

Specifications subject to change without notice.