# **RAYTOOLS** BM116 SERIES

ZOOM 2D Cutting Head

Power Rate 8000W



scan it for more details

#### **ZOOM Module**

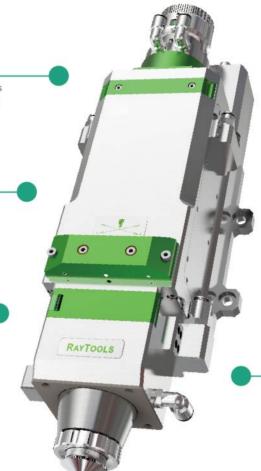
Built-in ZOOM module, Realize the autofocus function of move-collimating module, achieve 1.2~2.0 times spot diameter., and the focus position is automatically compensated.

# Large Clear Aperture

46mm clear aperture, effectively reduce stray light interference, guarante cutting quality and service life cycle.

# High Efficiency Cooling

Collimation and focusing lenses are each water cooled. Meanwhile, increase air flow cooling for nozzle, effectively protect the nozzle and ceramic and extend the working time



### High Dustproof

Three cover glasses to protect focusing & collimation

#### High Tolerance Power

Rated to 8 kW optical power at 1 µm, with D50 lens combo, and opt designed for thick plate cutting.

# Specifications

Fiber Interface	QBH, QD
Auto focus	
- Magnification of Spot	1.2~2.0X
- Range	+8 ~ -12mm ( 1.2X )
	+15~-20mm ( 2.0X )
- Acceleration	≤ 10 m/s2
- Velocity	≤ 10 m/min
- Accuracy	≤ 50 μm
Clear Aperture	35 mm
Collimator Focal length	100mm
Focusing Focal length	150mm, 200mm

Diameter of Nozzle tip	.2mm, 1.5mm, 2.0mm, 2.5mm,
Nozzle Styles	Single , Double , Custom
	Φ50 mm *2 mm
- Focusing side	Ф37 * 7 mm
- Collimation side	Ф38 * 1.5mm
Cover glasses	

3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm < 25 bar Assist gas pressure  $\sim 6.5 \text{ kg}$ Weight

Specifications subject to change without notice