

RAYTOOLS BM115 SERIES

Auto-Focusing 2D Cutting Head

Power Rate **8000W**



scan it for more details

High-Speed Piercing & Cutting

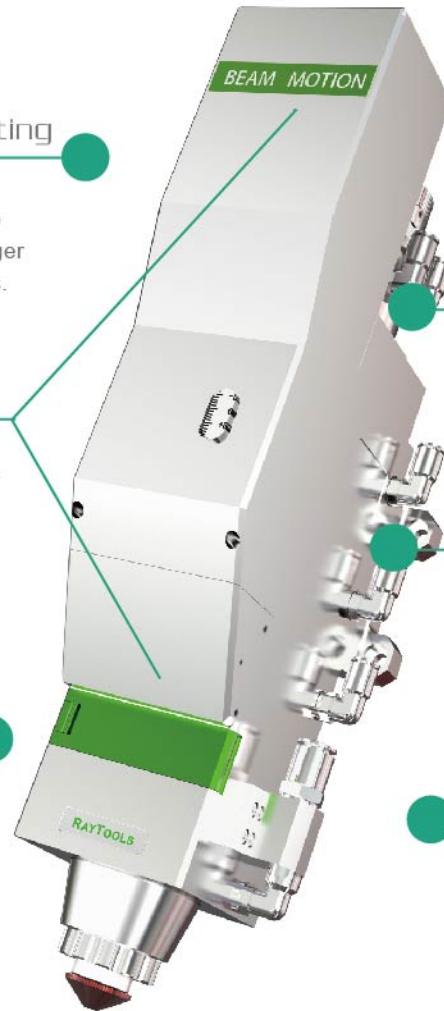
Integrated design to ensure sealing. Improve the QBH fiber interface, improve the compatibility of the laser, and no longer die due to leaking rust and other reasons.

High Efficiency Cooling

Collimation and focusing lenses are both water cooled. Increased air flow cooling for nozzle, effectively protect the nozzle and ceramic part, also extend the working lifetime.

High Speed Cutting

25mm carbon steel plate pre-perforation time < 2s @8000W, greatly improving the cutting efficiency



Large Clear Aperture

36.1mm clear aperture, effectively reduce stray light interference, guarantee cutting quality and service life cycle.

Auto-focusing

With collimation-move approach, the focus moves faster and the adjustment range is larger than the move-focus approach

High Power Rating

Rated to 8kW optical power at 1 μm , with D38.1 lens combo, and opt designed for thick plate cutting

Specifications

Fiber Interface	QBH , QD
Clear Aperture	36.1 mm
Auto focus	
- Range	+15 ~ -20 mm(FL150) +20 ~-25mm(FL200)
- Acceleration	$\leq 10 \text{ m/s}^2$
- Velocity	$\leq 15 \text{ m/min}$
- Accuracy	$\leq 50 \mu\text{m}$
Cover glasses	
- Collimation side	$\Phi 38 \text{ mm} * 1.5 \text{ mm}$
- Focusing side	$\Phi 37 \text{ mm} * 7 \text{ mm}$

Collimator Focal length	100mm
Focusing Focal length	150mm , 200mm
Nozzle Styles	Single , Double , Custom
Diameter of Nozzle tip	0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm
Assist gas pressure	$\leq 30 \text{ bar}$
Weight	$\sim 6.5 \text{ kg}$

Specifications subject to change without notice.