

RAYTOOLS BM109 SERIES

Auto-Focusing 2D Cutting Head

Power Rate **1500W**



scan it for more details

Optimize Structure

Modular, easy maintenance, reduce downtime.

Multiple Protection

Three cover glasses to protect focusing & collimation lens

Durability

Dual water cooling of optics



High Dustproof

IP65 class dustproof, patented protection lens cover plate, ALL-around anti-dust

Closed Loop Step Drive Auto-focusing

With closed-loop step motor, efficiently avoid losing step. MAX focusing speed 100mm/s, Repeat accuracy 1 μ m.

High-Speed Piercing & Cutting

Cuts 16mm mild steel at 0.6 m/min
Pierces up to 16mm mild steel in 6s
@1500W

Specifications

Fiber Interface	QBH , QD
Clear Aperture	26 mm
Auto focus	
- Range	+8 ~ -9 mm
- Acceleration	≤ 10 m/s ²
- Velocity	≤ 6 m/min
- Accuracy	≤ 50 μ m
Cover glasses	
- Collimation side	$\Phi 24.9$ mm * 1.5 mm
- Focusing side	$\Phi 27.9$ mm *4.1 mm

Collimator Focal length	100mm
Focusing Focal length	125mm , 150mm
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	≤ 25 bar
Weight	~ 3 kg

Specifications subject to change without notice.