

# RAYTOOLS BM111 SERIES



Auto Focus Laser Cutting Head

Power Rating **3.3KW**



Dual water cooling circuits.

Modular design with easy maintenance.

Auto focus to reduce human intervention and improve piercing and cutting efficiency.

3 Cover glasses (top, middle and bottom) to protect collimation & focus lens.

IP65 class dustproof, patented cover glass cover plate. All-around dust prevention.

## Technical Data

Fiber Interface	QBH, QD
Clear Aperture	28 mm
Auto Focus	
- Range	+10 ~ -12 mm
- Acceleration	$\leq 10 \text{ m/s}^2$
- Velocity	$\leq 10 \text{ m/min}$
- Accuracy	$\leq 50 \mu\text{m}$
Cover Glasses	
- Collimation Side (Top)	$\Phi 24.9 * 1.5 \text{ mm}$
- Focusing Side (Middle/Bottom)	$\Phi 27.9 * 4.1 \text{ mm}$

Collimation Length	75mm, 100mm
Focusing Length	125mm, 155mm, 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	$\sim 5.7 \text{ kg}$

Specifications subject to change without notice.

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