

# 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, guarantee 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 lens

## High Tolerance Power

Rated to 8 kW optical power at 1  $\mu$ m, 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	$\leq 10$ m/s <sup>2</sup>
- Velocity	$\leq 10$ m/min
- Accuracy	$\leq 50$ $\mu$ m
Clear Aperture	35 mm
Collimator Focal length	100mm
Focusing Focal length	150mm, 200mm

Cover glasses	
- Collimation side	$\Phi 38 * 1.5$ mm
- Focusing side	$\Phi 37 * 7$ mm $\Phi 50$ mm *2 mm
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	$\sim 6.5$ kg

Specifications subject to change without notice.