

RAYTOOLS BW290 SERIES

Diode / Fiber Welding Head

Power Rate 20000W



scan it for more details

Efficient Water Cooling

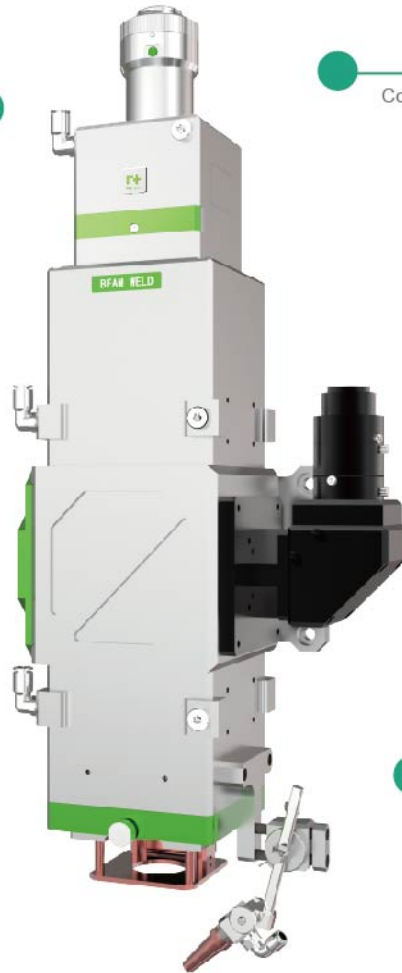
Built-in water cooling and can work steadily for a long time period under high power.

High Power Rating

The optimized optical design can get the best optical quality. the maximum power is 20KW.

High-Speed Welding

The welding speed can be significantly improved, even by reducing the spot under the diode laser.



Highly Compatible

Compatible with the wavelength range of mainstream diode lasers and fiber lasers in the market

High Dustproof

Equipped with a cover slide to prevent the dust from falling directly onto the collimator to cause damage to the lens and increase the service cycle of the welding head

High-quality Airflow

With smooth and efficient fluid structure, the molten pool can be obtained the best protection effect and the welding slag can be blow-down efficiently

Specifications

Fiber Interface	QBH , QD
Clear Aperture	86mm
Collimator Focal length	150mm , 200mm , 250mm , 300mm
Focusing Focal length	150mm , 200mm , 300mm , 400mm
CCD	TYPE-C , TYPE-CS
Cover glasses	
- Collimation side	Φ50 mm * 2 mm
- Focusing side	Φ80 mm * 4 mm
Assist Gas Pressure	
- Air Knife	8bar
- Protection Air	10 - 25L/min
Weight	~12kg (with CCD)

Optional Tip Components

Side Blow / Coaxial



Side Blowing Nozzle

Specifications subject to change without notice.