

RAYTOOLS

BW240 SERIES

Fiber Welding Head

Power Rate 4000W



scan it for more details

High Compatibility

Compatible with the wavelength range of mainstream fiber lasers in the market, as well as a variety of optical fiber interfaces, lenses and nozzle fittings which can reduce the procurement costs.

Efficient Cooling

Both collimating and focusing lens have excellent water cooling, which can work stably for a long time, and prolong the service cycle.

Excellent Welding Effect

With the optimized optical design, easy to realize the deep penetration welding, Larger depth-to-width ratio of the welding, more favorable to weld medium and thick plate.



High Dustproof

Double protection lens design, effectively prevent the damage of the lens caused by falling ash, which prolong the service life of the welding head.

Abundant Extension

The CCD and Laser vision seam tracking interfaces can be expanded, easier to achieve automatic welding.

High-quality Airflow

By using a smooth and efficient fluid structure design, the coaxial side shaft protection nozzle and air knife can obtain the best protection effect of the molten pool and the blow-down effect of the welding slag.

Specifications

Fiber Interface	QBH , QD
Clear Aperture	35 mm
Collimator of Focal length	100mm , 150mm
Focusing Focal length	200mm , 250mm , 300mm , 400mm , 500mm
CCD	TYPE-C , TYPE-CS
Cover glasses	
- Collimation side	Φ30 mm * 1.5 mm
- Focusing side	Φ38 mm * 2 mm
Assist gas pressure	
- Air Knife	6bar
- Protection Air	10-25L/min
Weight	~4kg (with CCD)

Optional Tip Components

Side Blow / Coaxial



Side Blowing Nozzle

Specifications subject to change without notice.