

FiberCUT® 2D

Laser Mechanisms' FiberCUT® 2D processing head delivers cutting-edge performance for flatbed systems up to 6 kW. Featuring automatic, programmable focus with 25 mm of travel, FiberCUT® 2D is a fully-sealed, purged design that minimizes the chance of internal contamination. FiberCUT® 2D goes even further with two cover glasses; one below the focus lens, and a second below the fiber to protect collimator optics. In addition, sealed access doors prevent contamination when cover glasses are serviced.

Features

- Internal process monitoring to detect pierce through and loss of cut
- Internal sensors to determine the condition of all optics
- · Standard nozzle cooling and air blast
- · No exposed wires to snag or break
- · Lightweight at less than 7 kg
- Laser Mech®'s patented height sense technology

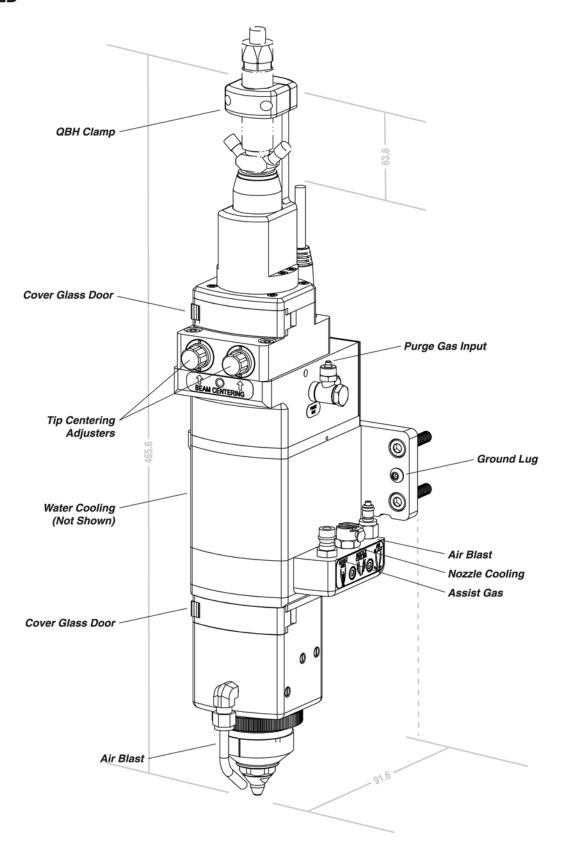


Laser Mechanisms' FiberCUT® 2D processing head delivers cutting-edge performance for flatbed systems up to 6 kW.

Specifications

CUTTING HEAD	
Power Rating	up to 6 kW
Nominal Focusing Lens	125 mm, 150 mm, 200 mm, 250 mm
Clear Aperture	30 mm
Nozzle Orifices	0.5 mm to 3 mm
Nozzle Styles	Single Orifice, Double, Multi-Hole Shower, Custom
Assist Gas Pressure	up to 20 BAR
Focal Point To Nozzle Adjustment	-14 mm to +11 mm
Weight	~6.6 kg
LASER MECH® COLLIMATOR	
Nominal Collimating Lens (Doublet, Fused Silica, λ 1025-1080 nm)	60 mm, 100 mm, 120 mm
Clear Aperture	35 mm
Fiber Connections	QD (LLK-D, LCA), QBH (HLC-8), LLK-B (Q5)
HEIGHT SENSOR	
Standoff Distance Range (1 mm Recommended)	0.2 mm to 8.0 mm
Calibration	Auto Calibrating
Response Time	<1 msec.
Temperature Stability	±5% of Standoff Setting, 0° to 45° C
Power Requirement	24 V
Output (Optimized Curve For Flat Metal or Linear Signal)	0-10 V Analog
	Specifications subject to change without notice.

FiberCUT°2D





TEL: +886-2794-1368 FAX: +886-2794-1369 5F., No.89, Xinhu 1st Rd., Neihu Dist., Taipei City 114, Taiwan