



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



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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.

