

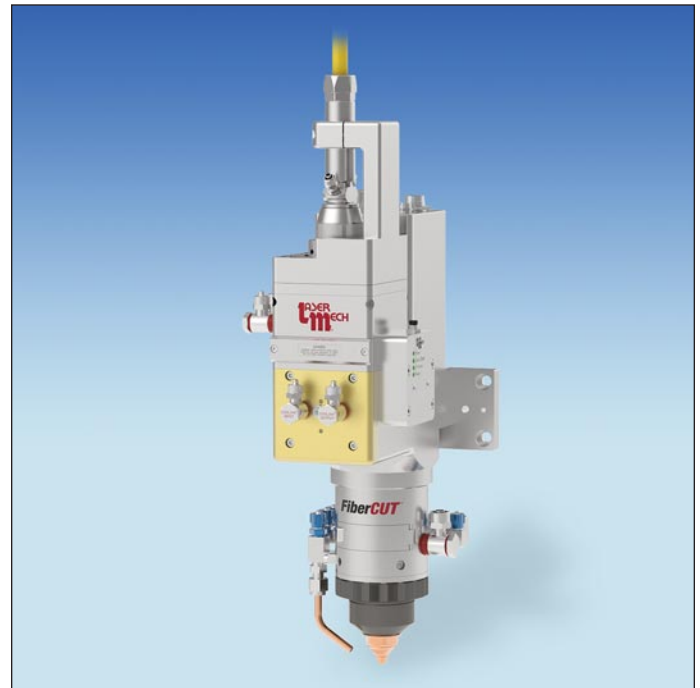


FiberCUT[®] HR

Laser Mechanisms' FiberCUT[®] HR processing head delivers cutting-edge performance for flatbed systems up to 15 kW. Featuring automatic, programmable focus with 25 mm of travel, FiberCUT[®] HR is a fully-sealed, purged design that minimizes the chance of internal contamination. FiberCUT[®] HR goes even further using robust, direct-cooled reflective optics that minimize focus shift. In addition, sealed access doors prevent contamination when cover glasses are serviced.

Features

- Robust, direct-cooled reflective optics minimize focus shift
- Internal sensors to determine the condition of all optics
- Internal process monitoring to detect pierce through and loss of cut
- Standard nozzle cooling and air blast
- No exposed wires near nozzle tip to snag or break
- Laser Mech[®]'s patented height sense technology



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Specifications

CUTTING HEAD	
Power Rating	up to 15 kW
Nominal Focus	200 mm
Clear Aperture	40 mm
Assist Gas Pressure	up to 20 BAR
Focal Point To Nozzle Adjustment	±12.5 mm
Weight	~8.5 kg
LASER MECH [®] COLLIMATOR	
Nominal Collimator	150 mm
Fiber Connections	QD (LLK-D, LCA), QBH (HLC-8)
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.

CUTTING APPLICATIONS