



FiberCUT[®] 2Dx

Laser Mechanisms' NEW FiberCUT[®] 2Dx processing head delivers the industry's largest diameter optics and clear aperture – accepting high-power lasers with up to 0.18 numerical aperture (NA). Featuring Laser Mech's new autofocus system, FiberCUT[®] 2Dx is 3-5 times faster than the original FiberCUT[®] 2D. Internal sensors monitor humidity, and both internal and assist gas pressure. Improved water cooling provides reliable, continuous cutting at 20 kW.

Features

- Internal sensors determine the condition of all optics
- Fully sealed, end-user, service-friendly optics
- Internal process monitoring detects pierce through and loss of cut
- Standard fiber clamp
- Standard nozzle cooling and optional air blast
- No exposed wires to snag or break
- Laser Mech's patented height sense technology

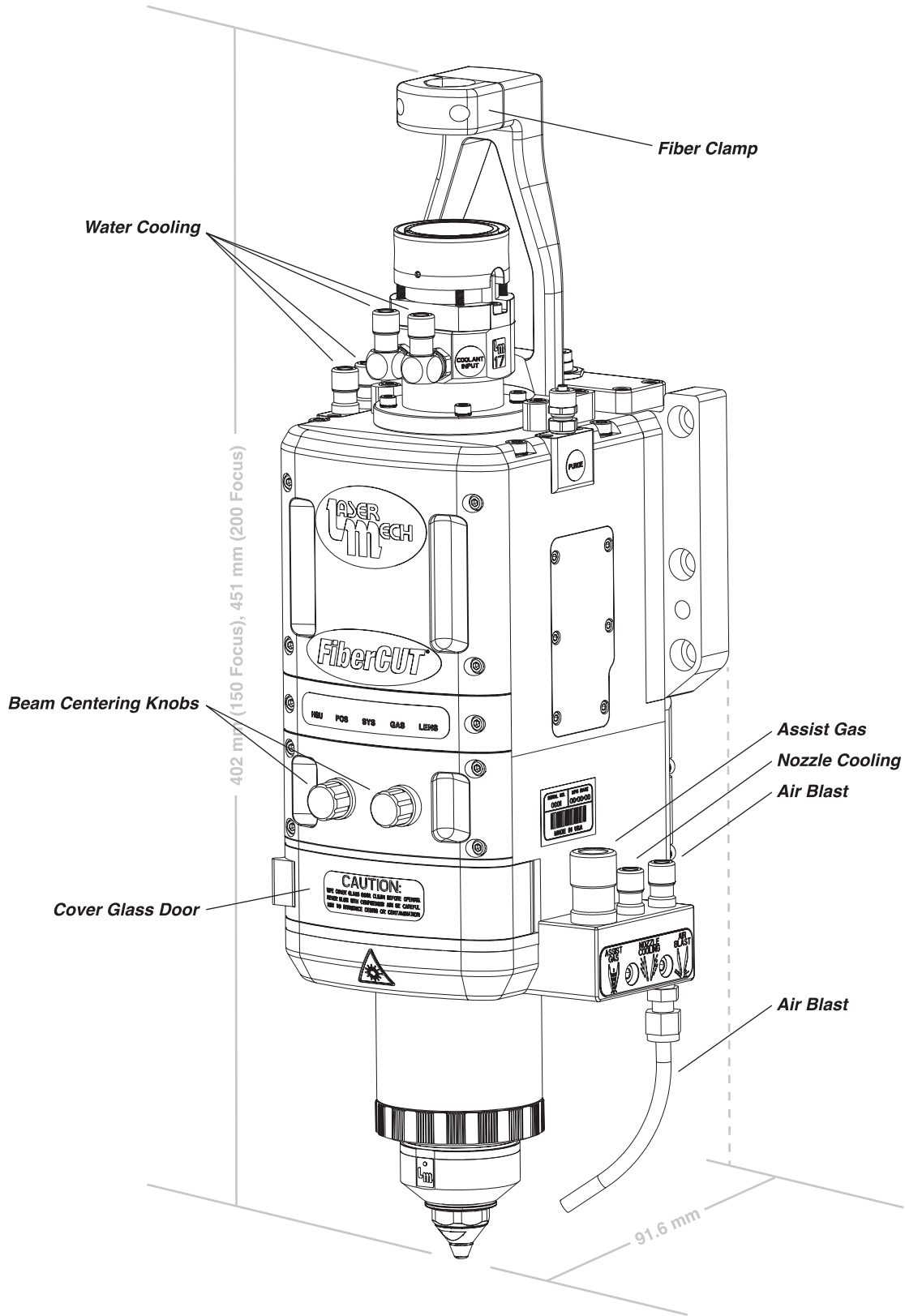


Laser Mechanisms' FiberCUT[®] 2Dx processing head delivers cutting-edge performance for flatbed systems up to 20 kW.

Specifications

CUTTING HEAD		
Power Rating (1030-1090 nm)		up to 20 kW
Nominal Collimating Lens		100 mm
Nominal Focusing Lens		150 mm, 200 mm
Aperture (Max.)		0.18 NA
Nozzle Orifices		1.0 mm to 5 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 -17 mm (150 Focus), +25 mm to -34 mm (200 Focus)	
Fiber Connections		QD (LLK-D, LCA), QBH (HLC-8)
Weight		~10.4 kg
HEIGHT SENSOR		
Standoff Distance Range (1 mm Recommended)		0.2 mm to 8.0 mm
Calibration		Multi-Point Calibration
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.



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