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 15 kW.

Laser Mechanisms' FiberCUT® 2Dx processing head delivers cutting-edge performance for flatbed systems up to 15 kW.

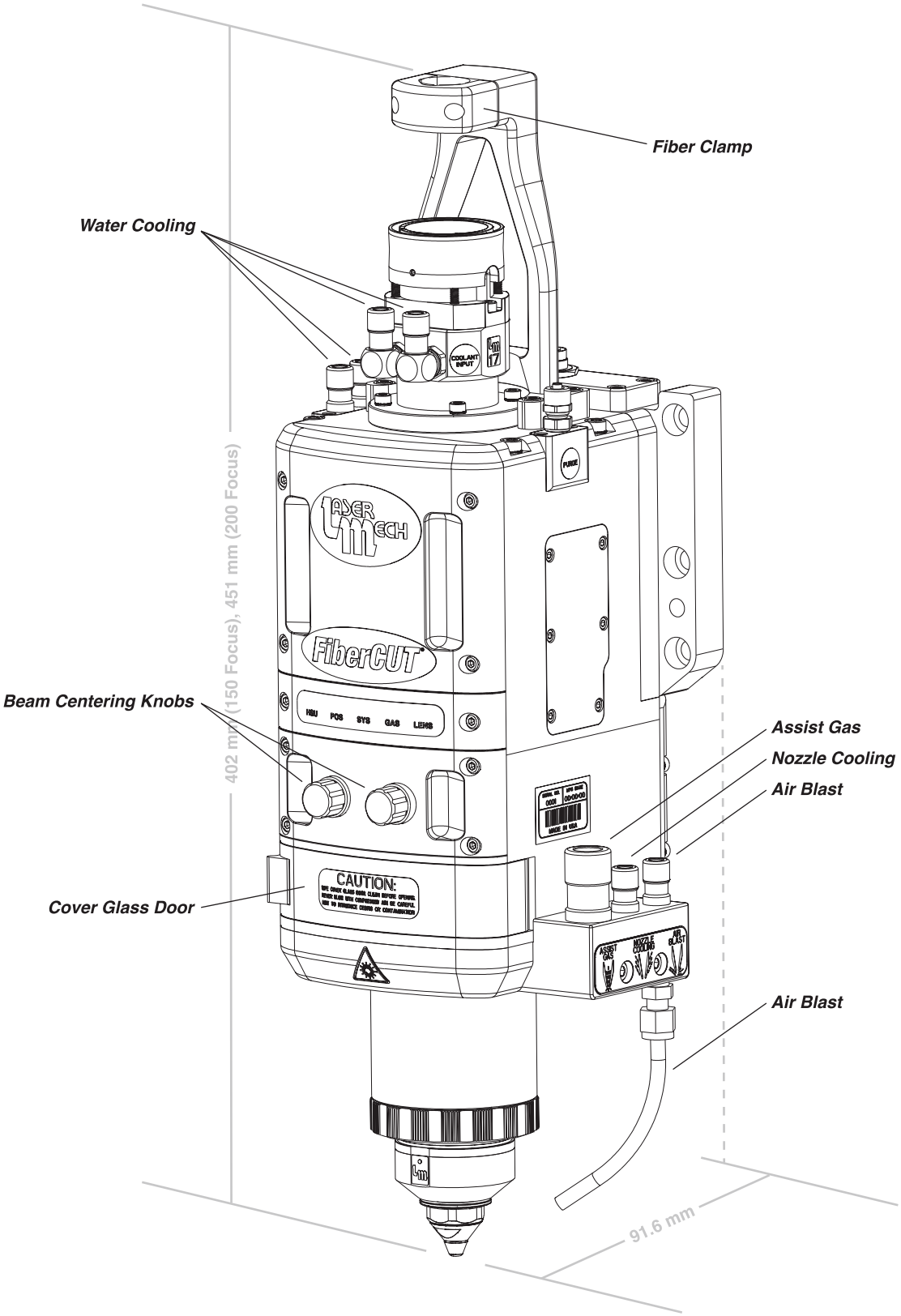
Features

- 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

Specifications

CUTTING HEAD	
Power Rating (1030-1090 nm)	up to 15 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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