

產品介紹

可與16公斤機器人手臂結合，適用於3D曲面切割，並搭配內建電容高度傳感器與Z軸設計，對應曲面加工便能有更簡便的操作。

設計輕巧，重量 $\leq 3.5\text{kg}$ ，運動中相對穩定。

LaserMech針對FiberCUT設計出直頭及直角型兩款，讓加工規劃有更多元的選擇與應用。

應用範圍

自行車車架、運動器材、彎管切割、車用板金



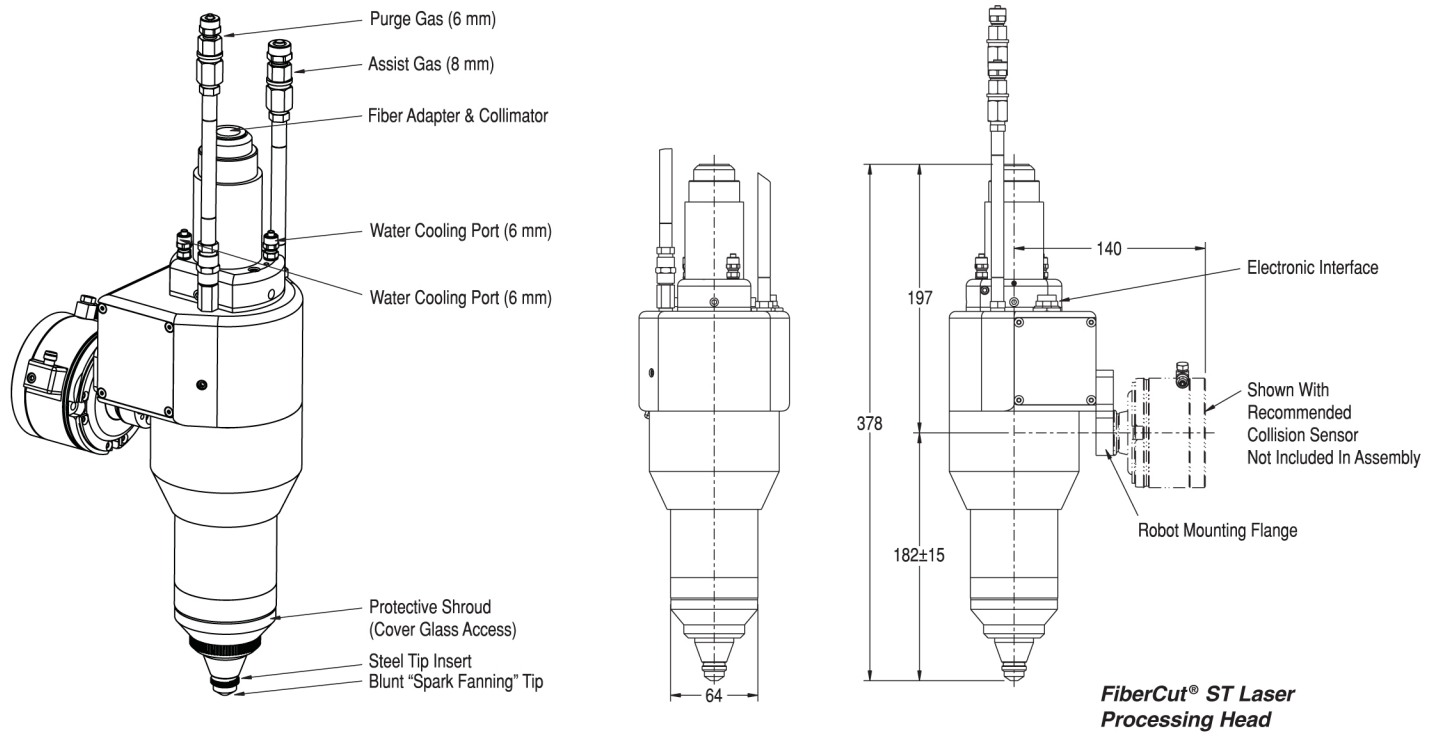
By locating all wiring and assist gas lines within the head, the potential for downtime due to snags and breaks is virtually eliminated.

產品特色

- 重量輕，使重量慣性對機台的影響最小化
- 所有連接和輔助氣體管線均採用內部管道連接，避免作動時發生障礙進而造成部件受損
- 抽屜式保護鏡座，方便更換鏡片與擦拭
- 可選配防撞保護器，碰撞時提供錯誤信號，加工頭會自動轉移，避免二次傷害
- 密封光束路徑專為惡劣的操作環境而設計
- 合適的輔助氣體搭配冷凝型噴嘴可產生平順氣流，達到精準切割



Cartridge style drawer provides quick and easy access to the cover glass. Cleaning and replacement requires no tools and can be performed in a matter of seconds.



Specifications

CUTTING HEAD

Power Rating	up to 4 kW
Focusing Lens (Focal Length)	104mm, 130 mm, 150 mm
Focusing Lens (Diameter)	28 mm
Clear Aperture	25 mm
Nozzle Tip (Various Shapes)	Cold Formed
Assist Gas Pressure	up to 20 BAR
Weight	3.5 kg
Height (Center Of Travel)	182 mm
Slide Travel	±15 mm
Max. Travel Speed	175 mm/sec.
Standoff Distance Range (1 mm Recommended)	0.5 mm to 2.0 mm

COLLIMATOR

Focal Lengths (Doublet, Fused Silica)	71 mm, 104 mm
Recollimating Lens (Diameter)	28 mm
Clear Aperture	25 mm
Fiber Socket (Others Available On Request)	QBH, LLK-B, QD

CONTROL BOX

Sealed Enclosure	380 mm L x 300 mm W x 160 mm H
Single Interconnect Cable	up to 15 m long
Number of Standoff Settings	7
Electrical Supply	85-264 VAC, 1-Phase, 47-63 Hz
Interface Inputs	5-24 VDC, 2.2 kΩ impedance, optically isolated
Interface Outputs	12-24 VDC, 150 mA max., sink/source, optically isolated

Specifications subject to change without notice.



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