



FiberMINI® ST

產品介紹

2D / 平面切割機最佳首選

輕巧設計，重量僅達1.5kg，具有直頭與直角型兩種選擇

應用範圍

衛浴五金件、家具金屬架

園藝刀具、車用配件、電器材料

產品特色

- 內建式電容高度傳感器 (HSU)
- 可選配同軸影像及同軸光源
- 多種噴嘴可選用，提供更多元的加工噴射氣流，達到理想的工藝呈現
- 聚焦鏡與保護鏡有內建式溫度監控系統，保護光學零件鏡頭避免過熱
- 聚焦位置有10mm (-2 ~ +8mm)，調整範圍適用於厚、薄板
- 快拆式保護鏡座，方便鏡片更換及擦拭
- 透過冷凝型噴嘴產生流順及準確的切割氣體
- 內建空氣吹掃流道，可維護光學元件的潔淨度



Laser Mechanisms' ultra-compact FiberMINI® ST easily integrates into modern, three-axis laser cutting machine designs.

Specifications

CUTTING HEAD

Power Rating	up to 4 kW
Nominal Focusing Lens (Singlet, Fused Silica, λ 1025-1080 nm)	100 mm, 125 mm, 150 mm, 200 mm
Clear Aperture	25 mm
Nozzle Orifices	1 mm to 4 mm
Nozzle Styles	Single Orifice, Double, Multi-Hole Shower, Custom
Assist Gas Pressure	up to 20 BAR
Focal Point To Nozzle Adjustment	-4 mm to +9 mm
Weight	~1.5 kg

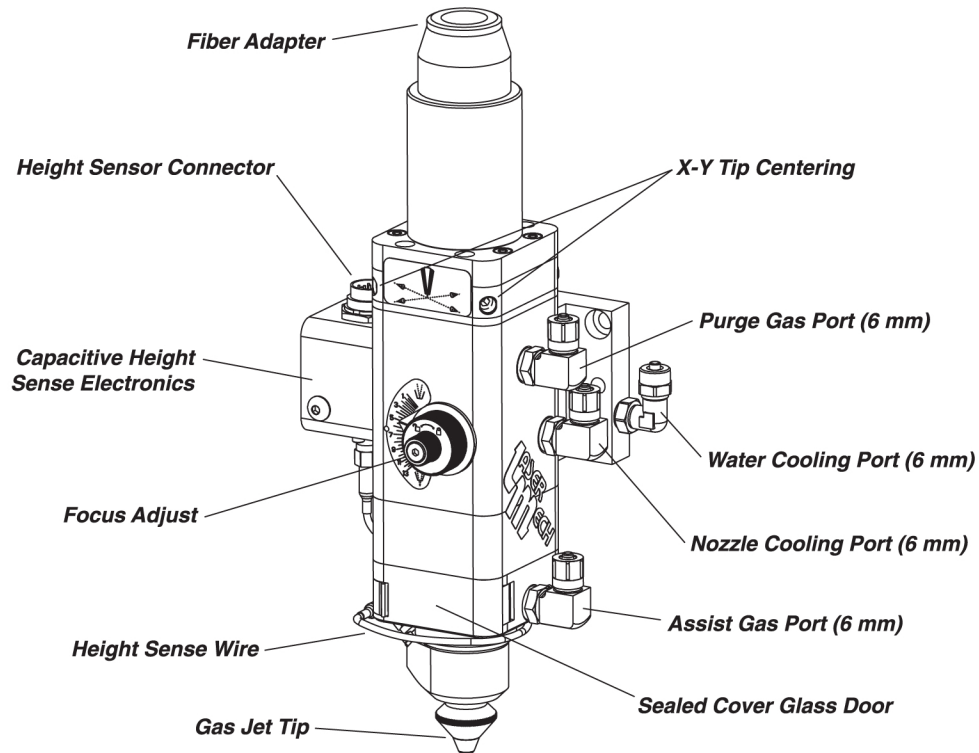
LASER MECH® COLLIMATOR

Nominal Collimating Lens (Doublet, Fused Silica, λ 1025-1080 nm)	35 mm, 60 mm, 75 mm, 100 mm
Clear Aperture	25 mm
Fiber Connection (Others Available On Request)	QBH, LLK-B, QD

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.



FiberMINI® ST shown in cutting setup with 60 mm collimator and 125 mm focal length. Other configurations available upon request.

