

LASER TUBE CUTTING MACHINE

雷射管切機

歐系驅動控制／高階斜切功能

European Brand Drive Control.
Advanced Bevel Cutting Function.



Features of Machine

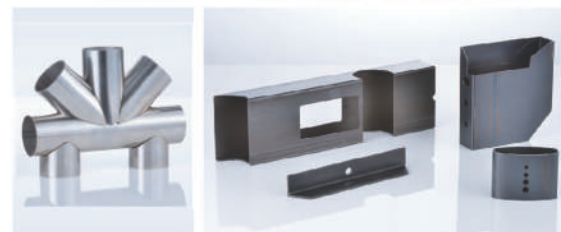
- The specially designed software allows the operator to design the desired graphs on characters with ease, then machining can be conducted immediately.
- By using CAD/CAM software, material can be fully utilized for saving material cost.
- The automatic height adjustment function enables the focal length to be maintained at a constant status, thus ensuring the consistency of cutting quality.
- 3D tilt cutting function (optional) allows multiple tubes to joint precisely. The function is also applied for beveled edges welding.
- Small heating area on the workpiece eliminates workpiece deformation problems.
- This machine is equipped with a constant temperature water chiller, enabling the machine to withstand long time continuous running with stable performance.
- The enclosed splash guard can prevent damage to personnel due to the strong laser light.

機器特性

- 特殊軟體設計，使操作者可輕易設計所需圖形或文字，再進行加工。
- 搭載智能化數位控制器，具人性化操控特色。易學、易操作。
- 搭配CAD/CAM軟體，可達到自動化效果。
- 自動高度調整功能，使焦距維持在恆定狀態，確保切割品質的一致性。
- 3D斜切功能 (選配)可使多支管材接合更精準。也可應用於斜邊焊接。
- 工件受熱區域小，無工件變形之慮。
- 採用恆溫冷卻水機，使機器可耐長時間連續運轉，且性能穩定。
- 雷射加工區域密閉式護罩防護，有效避免雷射之強化，造成人員之傷害。

Applicable Tube Shapes

適用管材形狀



LASER TUBE CUTTING MACHINE 雷射管切機

- Applicable industries: Automotive/motorcycle. Bicycle, leisure products, machine manufacturing, aerospace, furniture, and steel structure manufacturing, etc.
- 適用行業: 汽/機車業、自行車業、休閒業、機械製造業、航太業、傢俱業、鋼構製造業...等。

**Built for high efficiency and high precision tube cutting.
3D tilt cutting (optional).**

**專為高效能、高精度切管而打造
可搭3D斜切功能（選配）。**

Machine Specifications 規格表

型 號	MODEL	UNIT 單 位	YLM LaserTube 3D PRO	YLM LaserTube PRO
機台尺寸	Machine Dimensions	L x W x H (mm)	14,550 x 4,000 x 2,450	
機台重量	Machine Weight	kg	14,000	
加工管徑範圍	Tube O.D.	mm	Ø20 ~ Ø220 (side min. Ø20 mm ~ max. diagonal Ø220 mm) (或外接圓不超過Ø220的其他管型)	
適用管型	Tube Type		Round / Square / Rectangular / Oval / Special Shapes / Open Section 圓管 / 方管 / 矩形 / 橢圓 / 特殊形狀 / 開放形狀	
最大加工管長	Max. Tube Length	mm	6,500 (option 選配: 9,000 / 12,000)	
自動上料管長	Auto Loading Length	mm	6,500 (option 選配: 9,000)	
最短餘料管長	Min. Waste Material	mm	150	
最大成品管長	Max. Products Length	mm	3,000 (option 選配: 6,500 / 9,000)	
各軸行程	X	X	mm	7,000
	Y	Y	mm	300
	Z	Z	mm	200
	A	A	°	360
	B	B	°	±45
各軸速度	X	X	m/min	30
	Y	Y	m/min	30
	Z	Z	m/min	30
	A	A	° /s	850
	B	B	° /s	850
雷射功率	Laser Power	W	1,000 / 2,000 / 3,000 / 4,000	1,000 / 2,000 / 3,000 / 4,000 / 6,000
適用材料	Material		Carbon steel / Stainless steel / Aluminum / Brass / Copper and other metal material (different power due to different thickness) 碳鋼 / 不銹鋼 / 鋁 / 黃銅 / 銅等金屬材料 (厚度與功率有關)	
總功率	General Power	Kw	48	45

■ The mentioned specifications & dimensions are subject to change without notice.
有關機台規格與尺寸保留變動權力，不另通知。

Part List

Standard

- Chiller
- Laser Generator
- Cutting Head
- Scrap Conveyor

Option

- Air Dryer
(tropical climate required)
- Airfilter

週邊配件

標準

- 冷卻水機
- 雷射源
- 切割頭
- 廢料輸送機

選配

- 乾燥機 (熱帶氣候必選)
- 集塵器



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