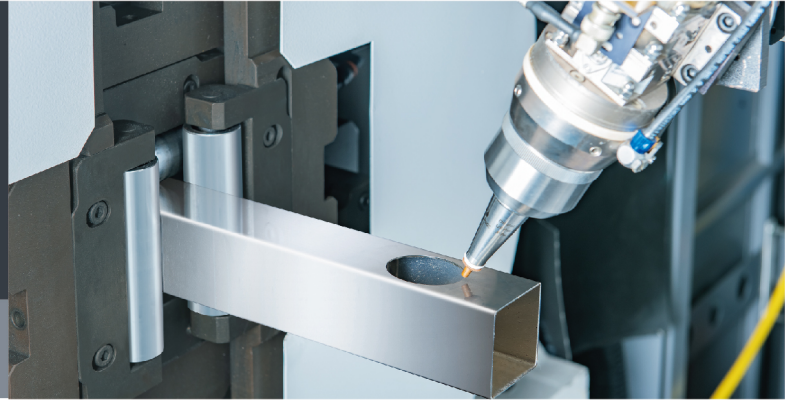


# LASER TUBE CUTTING MACHINE



## 雷射管切機

## YLM LaserTube 3D PRO YLM LaserTube



### 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 the specially designed CAD/CAM automatic program design software in combination with automatic nested 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。
- 特殊規劃的CAD/CAM自動程式設計軟體。配合使用自動嵌套軟體，使材料可充份利用，節省材料成本。
- 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)適用於管材斜切，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

This series of laser tube cutting machines is suitable for cutting various shapes of metal tubes such as:

- Round tubes
- Square tubes
- Rectangular tubes
- Oval tubes
- Dropper tubes
- Various profiled tubes

此系列雷射管切機，適用於各種形狀之金屬管材，例如：

- 圓管
- 方形管
- 矩形管
- 橢圓形管
- 水滴管
- 各種異形管



# 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
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 ~ Ø152.4 (side min. Ø20 mm ~ max. diagonal Ø152.4 mm) (或外接圓不超過Ø152.4的其他管型)	
適用管型	Applicable Tube Types		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	
最短餘料管長	Min. Residual Material	mm	150	
最大成品管長	Max. Products Length	mm	3,000	
各軸行程	X	X	mm	7,000
	Y	Y	mm	200
	Z	Z	mm	180
	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	
適用材料	Applicable Materials		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	Total Power	Kw	23	20

■ 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。

## Peripheral Equipment

### Standard

- Water Chiller
- Laser generator
- Laser cutting head
- Scrap Conveyor

### Option

- Air dryer  
(tropical climate required)
- Dust collector

## 週邊配件

### 標準

- 恆溫冷卻水機
- 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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