

# TP12036M&LT12036M

## 3 Chucks (Side Hanging) Heavy-Load Laser Tube Cutting Machine

TP10036M&LT10036M 3 chucks (side-hung) heavy-load laser tube cutting machine integrates CNC technology, laser cutting, precision machinery and automatic control. It has high speed, high precision, high efficiency and high economic benefits, and can meet the cutting requirements of ultra-long and ultra-heavy tubes in industries such as bridges and ships, engineering machinery, electric power tower, assembly building, tunnel traffic, etc. It has outstanding advantages for processing of ultra-long and ultra-heavy metal tubes and sectional materials. It has high precision, high speed, good equipment stability, and is convenient to operate, and can realize volume production.



### Parameters

Item	Parameters	
Model	TP12036M	LT12036M
CNC System	FSCUT	SIMENS
Specification	Power	3000W、6000W、12000W
	Size	19.3m x 6.5m x 2.8m
	Weight	Approx. 23T
Material	Type	Carbon steel or stainless steel round tube, square tube, rectangular tube, elliptical tube, angle iron, channel steel, H-shaped steel, etc
	Diameter	Φ20mm ~ Φ360mm
	Loading Capacity	5000mm ~ 12000 mm
	Unloading Capacity	0 ~ 6000 mm
	Single Tube Max. Weight	83.3Kg/m (1000Kg)
Operating Parameters	Total Power (reference)	110KW
	Phase Number / Power Supply Rating / Voltage Frequency	3/380V/50Hz, Voltage Fluctuation<10%
	Working Air Source	0.5 ~ 0.8MPa
Processing Area	Working Area (machine tool)	Y 0 ~ 12200mm X 0 ~ 800mm Z 0 ~ 350mm
	C1/C2 Axis	n*360°
Positioning Accuracy	X/Y Positioning Accuracy	± 0.05mm/500mm
	X/Y Repeat Positioning Accuracy	± 0.02mm

- Adaptability** Can achieve max. 1T heavy tube processing, the processing diameter is up to 360mm (Φ360mm, □250\*250mm).
- Economy** 3-chucks zero-tailing cutting, which can realize the cutting processing of loading of 12-meters all in one piece material, unloading of 6-meters all in one piece material and zero-tailing processing.
- Precision** Ultra heavy and ultra long tube laser cutting, anti-shake suppression technology, completely solve small hole round cutting technology of ultra heavy and long tubes.
- Economy** 4-chucks zero-tailing cutting, which can realize cutting and zero-tailing processing of loading and unloading of 12-meters all in one piece material.
- Flexibility** Modular design, can be customized according to customer requirements, unit modules can be adjusted according to the actual needs.
- Diversity** Multi-type, automated, multi-process combination processing technology.

Remark:

1. If the material is covered with a PVC protective film, it must be removed. With PVC protective film will not only lead to poor processing, but also makes the machinery corroded and does harm to human health due to the production of chlorine gas.
2. The diameter of chuck indicates the maximum section of the round tube that can be processed is Φ360mm, square tube□250mm\*250mm. For other profiles (H steel, I steel, L steel, etc.) or selection materials with non-standard section, please confirm with HGLaser technicians.