

HyTube 12036D/12050D

4-CHUCK TUBE LASER CUTTER

Customer benefits

- Automatic tightening of the pneumatic self-centering chuck, the clamping process does not require manual intervention, can achieve zero tailing processing, and avoid pipe waste.
- Optional automatic loading and unloading device, the overall layout is compact and reasonable, the floor space is small, saving production land, reducing labor, and improving production efficiency;
- Equipped with professional pipe cutting software and built-in intelligent nesting and layout software, it is suitable for processing standard pipes, profiles and special-shaped pipes, and can realize full-time cutting, high-efficiency cutting and bevel cutting;
- Independent R&D of core numerical control system, support EtherCAT digital bus communication; built-in complete cutting process database, can realize one-button setting or real-time modification and processing according to pipe type; can be connected with MES production system to realize digital production;
- 4-chuck structure design, the four chucks can move freely, reasonably share the weight of the loaded pipe, stabilize the support, prevent the pipe form swinging, and ensure accurate cutting and safe cutting;
- Z-xis drive adopts modular dive unit, double slider design, good rigidity, light preload, effectively reduces the vibration of the cutting head during high-speed motion, and improves the accuracy of interpolation trajectory;

Characteristics





Processing extra-long and extra-heavy pipes

Cutting head ±45° angle swing



stable and load bearing horizontal bed design

Equipped with professional control system and software

Specification

Model	HyTube12036D	HyTube12050D
Working area	Ф30-Ф360×12500	Ф50-Ф500×12500
	Φ20≤Round tube≤Φ360	Φ20≤Round tube≤Φ360
	□20≤Square tube≤□360	□20≤Square tube≤□360
	Retangular≤350×250	Retangular≤400×250
	Channel steel≤36#	Channel steel≤40#
	I-beam≤36#	I-beam≤40#
Laser power	6000~12000W	6000~12000W
Maximum load	1000Kg	1500Kg
Gap acceleration	0.3G	0.3G
Maximum processing speed	40rpm/min	40rpm/min
Beveling	±45 ℃	±45°C
Mix loading length	6000~12000mm	6000~12000mm
Mix unloading length	12000mm	12000mm
Overall dimension	30400×3600×3200mm	30400×3600×3200mm
Weight	31500kg	32000kg