



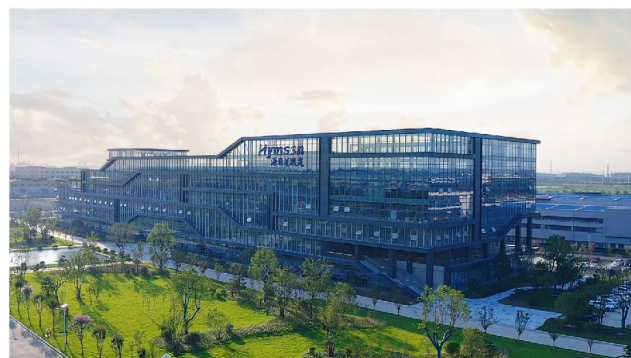
PROVIDER OF LASER & AUTOMATION
INTEGRATED SOLUTIONS

MP SERIES

High Speed Laser Tube Cutting Machine



COMPANY INTRODUCTION



Hymson Laser Technology Group Co., Ltd founded in 2008, is a national high-tech enterprise, which integrates research and development, manufacturing, sales and service in laser and automation integrated solutions provider.



11
Subsidiaries



7000+
Employees Global



Hundreds
Patents



Thousands
Cooperative Enterprises



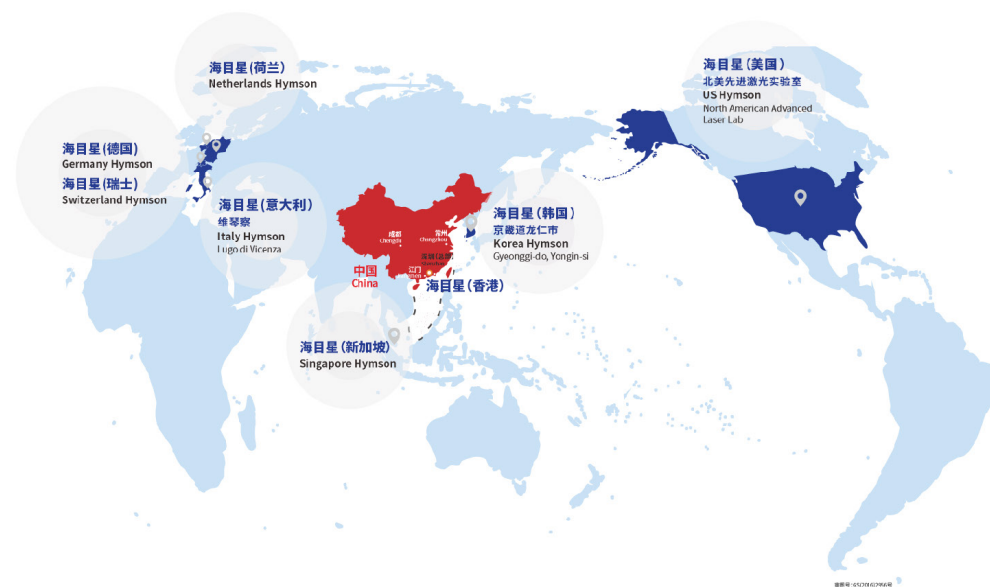
400 million
R&D Investment



40+
Global Service Centers

AS A GLOBAL ENTERPRISE

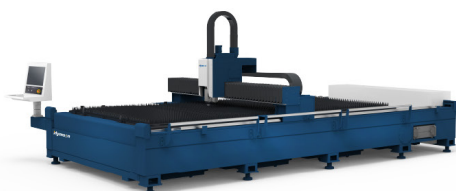
WE PROVIDE HIGH QUALITY AND EFFICIENT PRE-SALES AND AFTER-SALES SERVICE



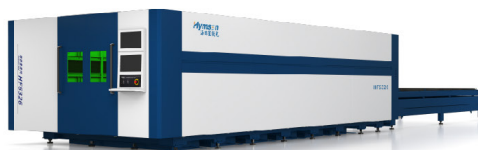
Transforming the Global Equipment Landscape
Advancing Human Intelligent Manufacturing

PRODUCT CATALOG

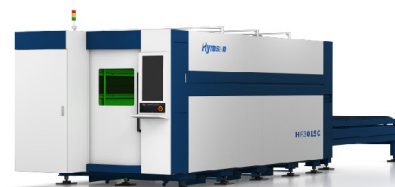
SHEET METAL LASER CUTTING MACHINE



HF-A SEIRES(Single Platform)

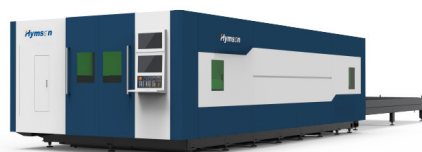


HF-B SERIES(High Power)

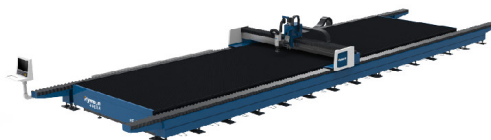


HF-C SERIES(Dual-platform)

SHEET METAL LASER CUTTING MACHINE



HF-G SERIES(Flagship Product)



HF-T SERIES(Large Format)



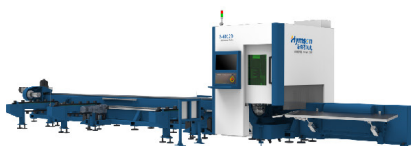
HP SERIES

SPECIAL PROFILE LASER CUTTING MACHINE

TUBE METAL LASER CUTTING MACHINE



MP SERIES(Professional)



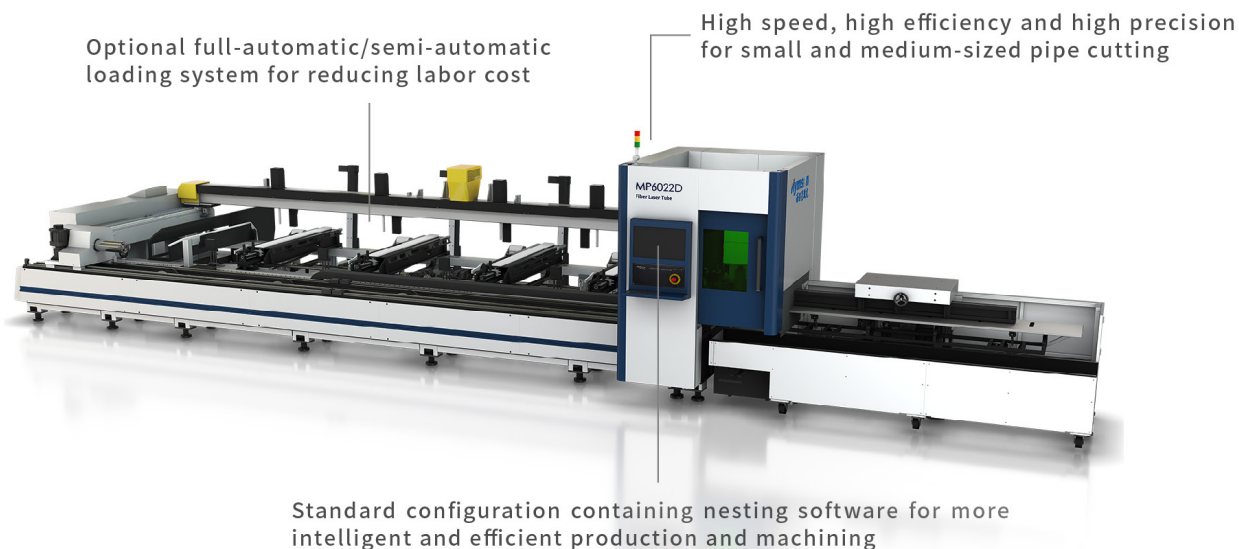
S SERIES(Standard)



TP SERIES(Heavy-duty)

MP SERIES

High Speed Laser Tube Cutting Machine



Core Configuration

Model	MP6012D	MP6022D
Control System	FSCUT	FSCUT
Cutting Head	Hymson	Hymson
Fiber Laser	3000W	3000W
Chuck	120mm Fully Sealed Pneumatic Chuck	220mm Fully Sealed Pneumatic Chuck
Servo Motor and Drive	INOVANCE	INOVANCE

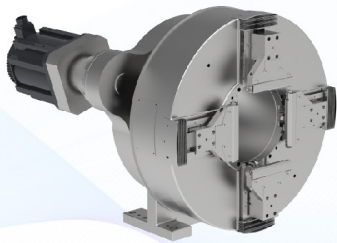
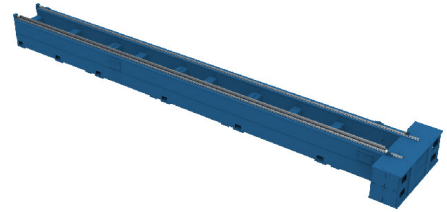
Model	MP6012D	MP6022D
Precision Reducer	DESBOER	DESBOER
Precision Toothed Rack	JT	JT
Precision Guide Rail	JW/ROUST	JW/ROUST
Semi-Automatic/ Full-Automatic Loading Device (Optional)	6m	6m
Servo Unloading (Optional)	3m	3m

Performance Indexes

Equipment Model	MP6012D	MP6022D
Tube Specification (Full-Automatic Loading:)	Circular Tubes : $\phi 15\text{mm} \sim \phi 80\text{mm}$ Square Tubes : $\square 15\text{mm} \sim \square 80\text{mm}$	Circular Tubes : $\phi 15\text{mm} \sim \phi 180\text{mm}$ Square Tubes : $\square 15\text{mm} \sim \square 140\text{mm}$
Tube Specification (Manual Loading:)	Circular Tubes $\phi 10\text{mm} \sim \phi 120\text{mm}$ Square Tubes : $\square 10\text{mm} \sim \square 80\text{mm}$	Circular Tubes : $\phi 10\text{mm} \sim \phi 220\text{mm}$ Square Tubes : $\square 10\text{mm} \sim \square 150\text{mm}$
Tail Length	$\geq 200\text{mm}/60\text{mm}$	$\geq 210\text{mm}/100\text{mm}$
Maximum Weight of a Single Tube	150kg	300kg
Acceleration	1.2g	1.0g
Chuck Rotation Speed	150rpm	100rpm
Floor Space of Main Unit	12m x 3m x 2.8m	12m x 3m x 2.8m

Machine with Plate-Tube Welding Structure

- The main machine body welded has undergone annealing treatment to eliminate internal stress
- Flatness and Straightness of Guide Surface $\leq 0.05\text{mm}$, Max.
Surface Roughness: 0.8

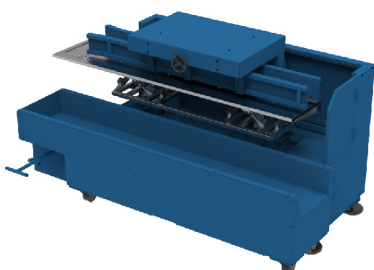
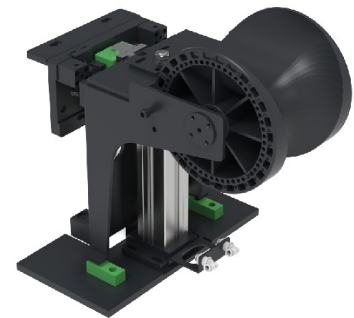


Pneumatic Fully Sealed Chuck

- Full stroke high precision chuck with high clamping force, industry leading
- Large clamping stroke, low rotational inertia, high rotational speed
- The rear chuck adopts fully sealed dust prevention structure to greatly improve the effect of dust prevention

Auxiliary Support

- The auxiliary support adopts variable diameter wheel
- Effectively preventing the tube from swaying from side to side during high speed rotation and guaranteeing the precision of rotation of the tube during cutting
- Playing the roles of guiding and supporting during feeding

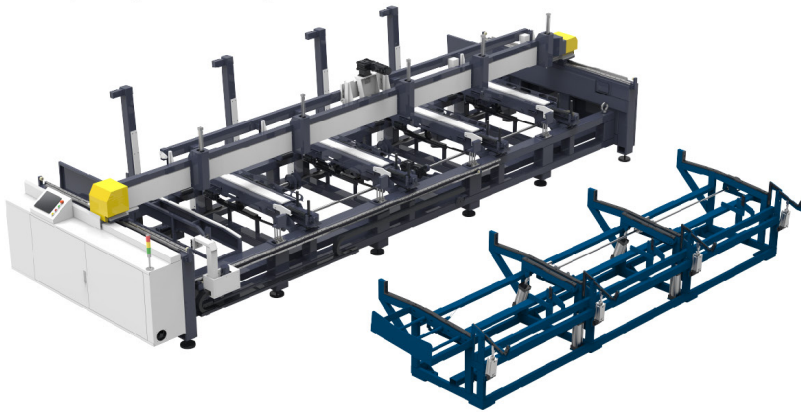


Unloading Mechanism

- Adopt servo type liftable plate turnover platform to effectively solve the problem of sway of tube caused during rotation
- Adapting to tubes of different sizes automatically to improve unloading efficiency

Full-Automatic Loading Device(Optional)

- First innovation of double-drive moving beam structure
- High success rate of material distribution and loading with loading capacity of 2000kg

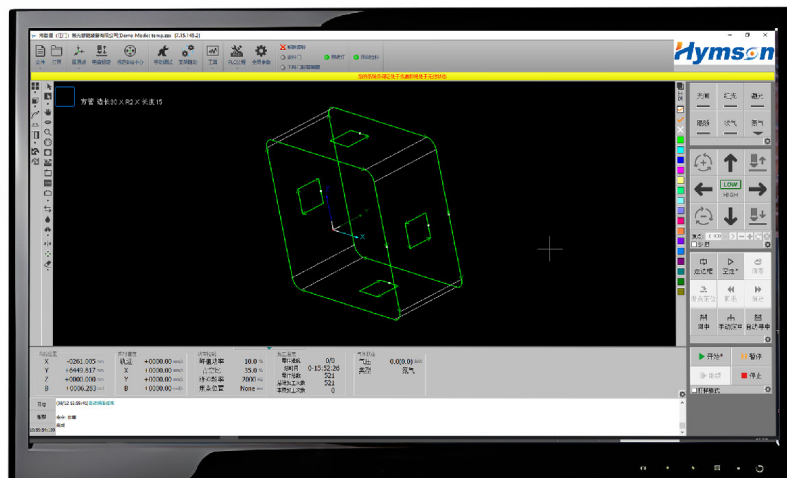


Semi-Automatic Loading Device(Optional)

- New design, simple structure, maximum loading of 500kg
- Stable Loading, cost-effective choice

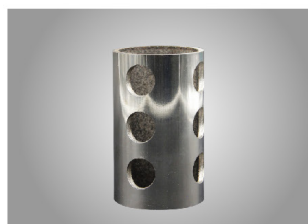
FSCUT control system

- FSCUT laser cutting control system, developed on the basis of Windows 10 operating system, communicates through Ethercat bus and integrates laser cutting modules with special functions. The simple and concise interface, power and practical functions, touch display screen and wireless keyboard and mouse make it easy to operate





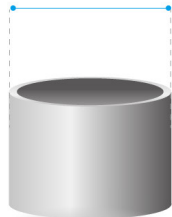
Samples



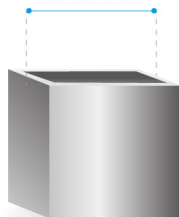
Cutting Ability

MP6012D

10-120mm

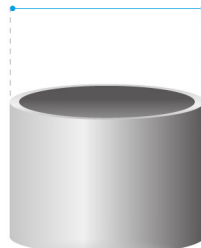


10-80mm

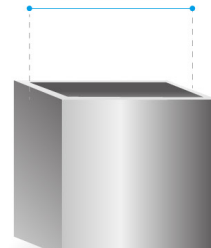


MP6022D

10-220mm



10-150mm





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