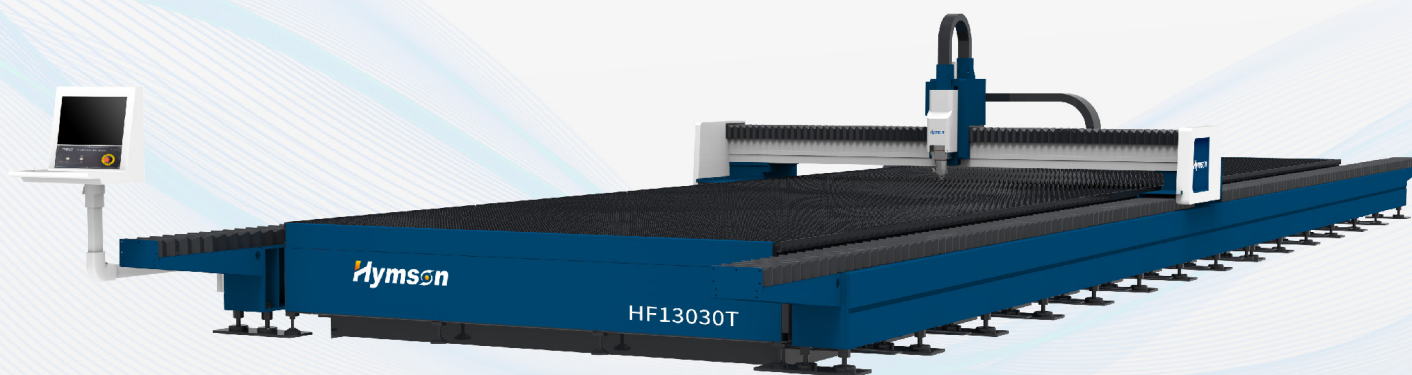




PROVIDER OF LASER & AUTOMATION
INTEGRATED SOLUTIONS

HF-T SERIES

Large Format Fiber Laser 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



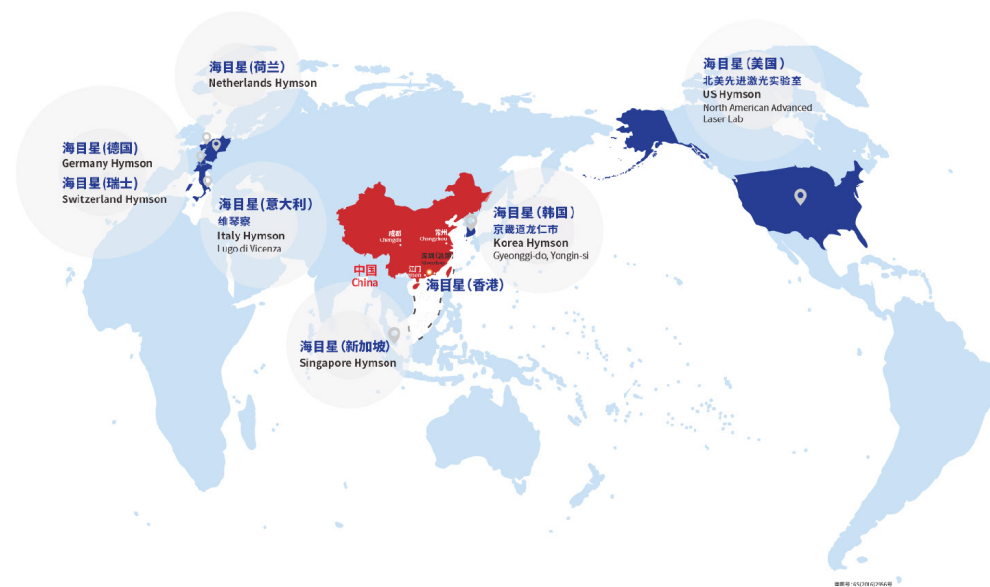
400 million
R&D Investment



40+
Global Service Centers

AS A GLOBAL ENTERPRISE

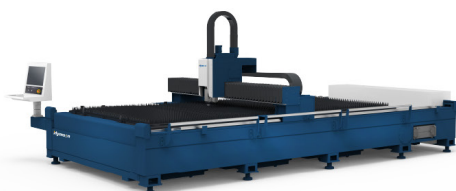
WE PROVIDE HIGH QUALITY AND EFFICIENT PRE-SALES AND AFTER-SALES SERVICE



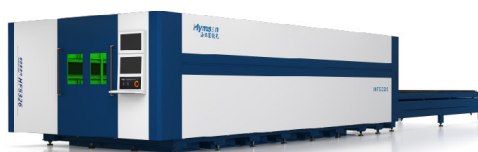
Transforming the Global Equipment Landscape
Advancing Human Intelligent Manufacturing

PRODUCT CATALOG

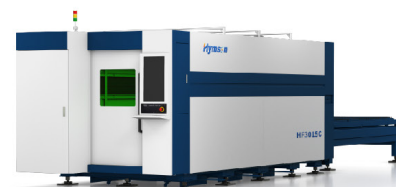
SHEET METAL LASER CUTTING MACHINE



HF-A SEIRES(Single Platform)

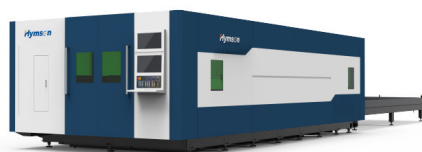


HF-B SERIES(High Power)

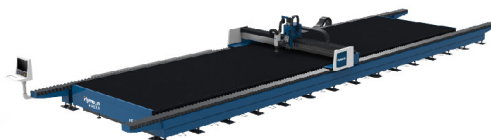


HF-C SERIES(Dual-platform)

SHEET METAL LASER CUTTING MACHINE



HF-G SERIES(Flagship Product)



HF-T SERIES(Large Format)



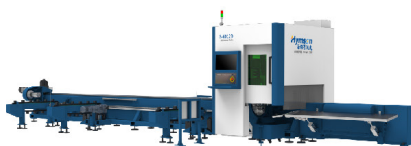
HP SERIES

SPECIAL PROFILE LASER CUTTING MACHINE

TUBE METAL LASER CUTTING MACHINE



MP SERIES(Professional)



S SERIES(Standard)



TP SERIES(Heavy-duty)

HF-T SERIES

Large Format Fiber Laser Cutting Machine

HF-T series fiber laser cutting machine is customized heavy duty and large format intelligent machine developed by Hymson independently

Designed for high-power and large format, which can be customized in length to process all kinds of thick plates stably and continuously



Adopting Hymson anti-heat technology, high temperature resistance, strong load-bearing, stable and efficient output

Core Configuration

Unit	Name	Model / Specification
I. Control Programming	Control System	FSCUT
	Machine Lathe	HF-T High Strength Lathe
	Servo Motor and Drive	INOVANCE
II. Mechanical Drive	Precision Reducer	DESBOER
	Precision Toothed Rack	JT
	Precision Guide Rail	JW/ROUST

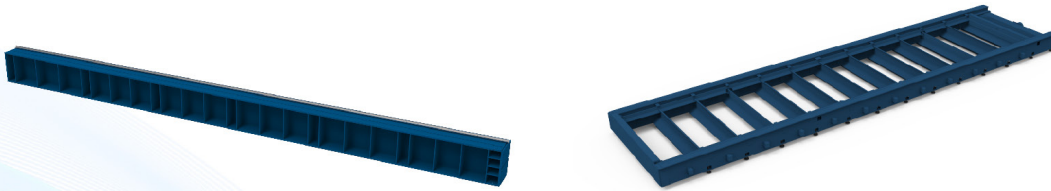
Unit	Name	Model / Specification
II. Mechanical Drive	Table Type	Single Table
III. Pneumatic Control	Intelligent Pneumatic System	SMC
IV. Optical System Drive	Fiber Laser	≥40000W
	Auto Zoom Cutting Head	HYMSON
V. Dedusting System	Intelligent Zoned Exhausting System	HYMSON
	Dedusting Fan	HYMSON

Performance Indexes

Equipment Model	HF13032T	HF16032T	HF24032T	HF30032T	Customized
Power	6000-40000W	6000-40000W	6000-40000W	6000-40000W	6000-40000W
Effective Cutting Range	13mX3.2m	16mX3.2m	24mX3.2m	30mX3.2m	25~50m
X/Y-axis Positioning Accuracy	±0.1mm/m	±0.1mm/m	±0.1mm/m	±0.1mm/m	±0.1mm/m
X/Y-axis Repositioning Accuracy	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm
Maximum Speed of X/Y-axis Linkage Positioning	84m/min	84m/min	84m/min	84m/min	84m/min
Maximum X/Y-axis Acceleration	0.8g	0.8g	0.6g	0.6g	0.6g
Floor Space of Main unit	15mX3.5m	21mX5m	31mX6.5m	36mX6.5m	Depending on the size

Segmented Splicing Machine Lathe

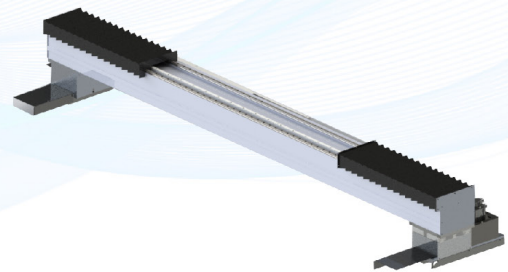
- Brand New fourth-generation lathe machine adopts H-beam steel + internal fascia structure
- Maintain strong rigidity of the overall structure and small deformation, to further improve the production cycle of the equipment
- Machine lathe is divided into 8m a splicing part, reducing the docking port, avoid the accuracy errors caused by multi-step docking



Thermal Dynamic Compensation Technology

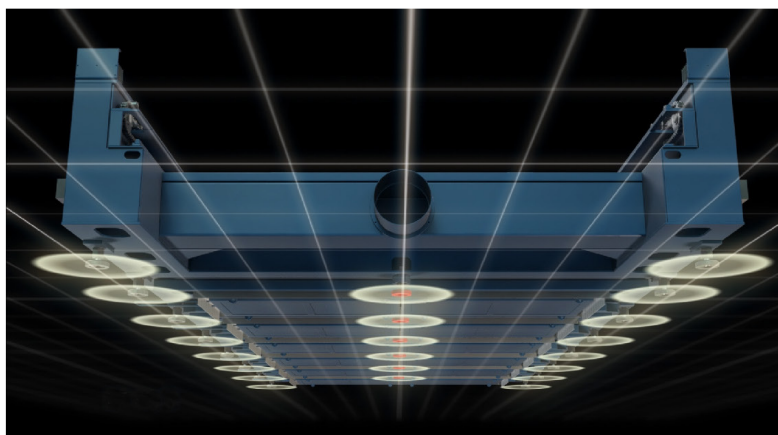
- Adopting the thermal dynamic compensation technology to offset the impact caused by the degree of reference parallelism on both sides of the machine body in long-term use, thus guarantees cutting precision.

The thermal dynamic compensation technology can effectively protect the sliding block to reduce force suppression and bead blasting under force, thus guarantees the linear precision of operation and reduces the out-of-straight and out-of-round situations in cutting



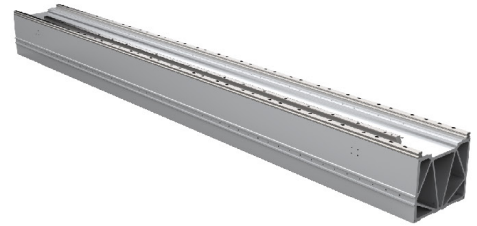
Multi-point support balancing technology

- Multi-point support and balancing technology for large format equipment, providing multiple guarantees for stability, ensuring the balance of forces and preventing the machine lathe from sinking



High Strength Cross Beam

- Adopting Hymson's patented structural design of drawn aluminum cross beam for light overall mass, high tensile strength and superior dynamic performance
- Through simulated data analysis and testing of different models and lengths, ensuring quality, rigidity and dynamic nature of the cross beam in long-time running

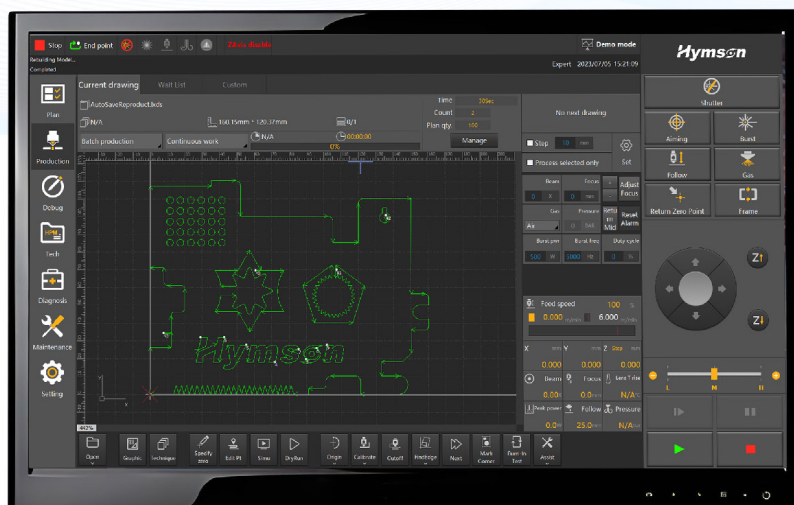


Precision Gear Drive

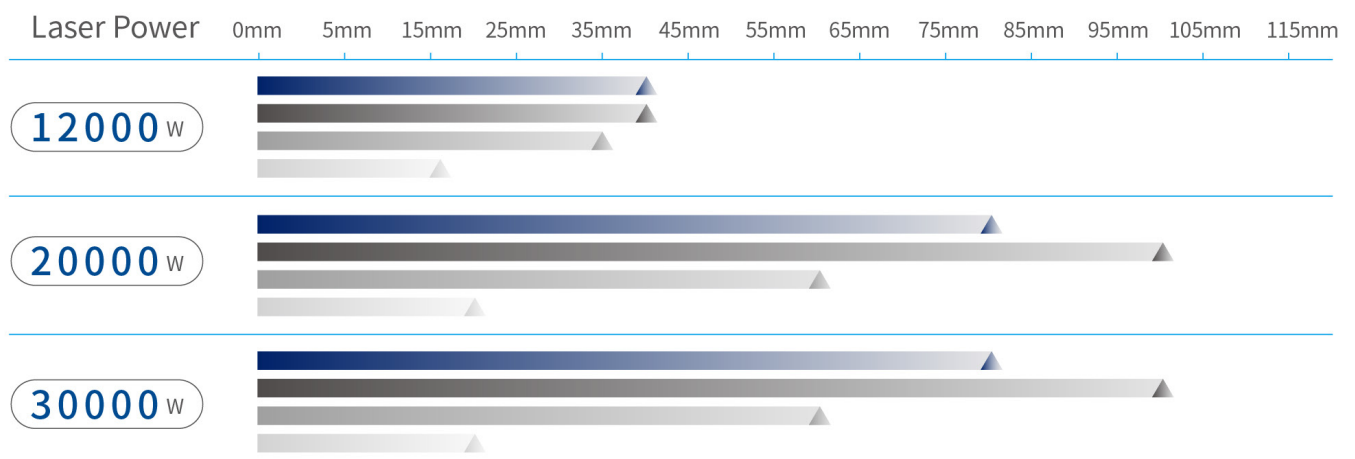
- Precision machined high precision pinions and racks having been finished and ground
- Super high matching rate and precision, high bite rate, smoother and quiet rotation
- Compact load driven structure for effectively reducing driving torque and eliminating vibration
- Adopting double drive gantry motion system for higher acceleration and faster movement speed

FSCUT bus control system


- The system is taken as the Hymson Super Brain-EtherCAT bus control platform and is developed on the basis of Window 10 architecture. The data calculations are conducted with an industrial grade CPU, which is secure, reliable and self-diagnostics



	Carbon Steel
	Stainless Steel
	Aluminum Alloy
	Brass





 No. 18, Jintong 8th Road, Pengjiang District, Jiangmen City, Guangdong, China
No. 66, Jintan Street, Jintan District, Changzhou City, Jiangsu, China

 hymsonlaser.net

 info.bj@hymson.com

 Hymson Laser  Hymson Laser  Hymson Laser