

GUANGZHOU SHI HYMSON LASER TECHNOLOGY CO.,LTD
Add: NO.2 Shiling Road,Dongchong,Nansha,Guangzhou,Guangdong,China
Tel: +86 20 34882219
Fax: +86 20 34882239
Website:www.gzhymson.com





广州市海目星激光科技有限公司
GUANGZHOU SHI HYMSON LASER TECHNOLOGY CO.,LTD



Company Introduction

Established in 2007, Hymson Laser Technology Group is now one of the biggest laser equipment manufacture in China, engineered for R&D, manufacturing, selling and serving high precision and automation laser equipment. We own four subsidiaries, including Hymson Guangzhou, Hymson Shenzhen, Hymson Anshan and Hymson Jiangmen, our machines equipped more than 40 countries and regions, service thousands of customers. Thanks to 1,300 more high-educated employees, hundreds of engineers and technicians, overseas R&D team and rich experienced management, we have owned more than 100 patents and software copyright and 63 patents authorized already. Under the 'Made-In-China 2025' National strategy, Hymson aimed to be one global branded laser and automation group, bring energy friendly and society comfortable all over the world.

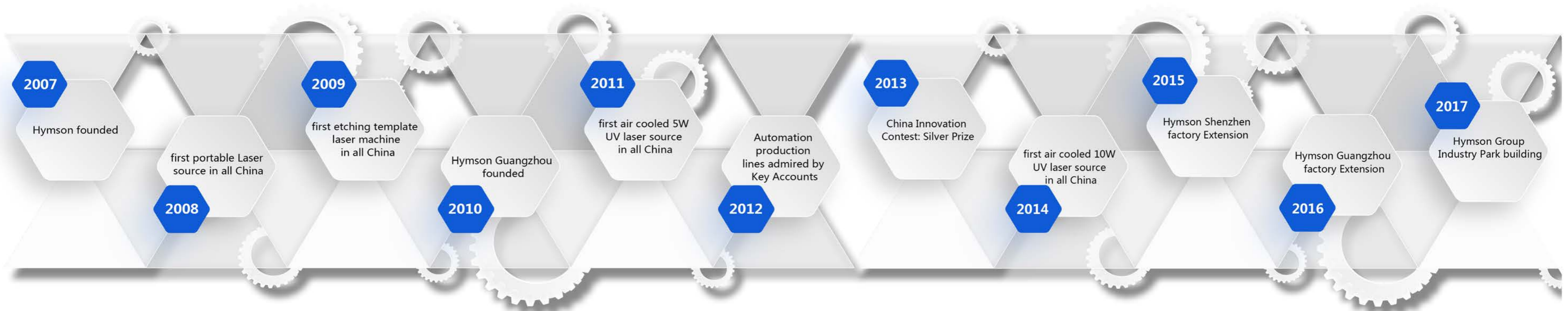
Vision:To be global brand of Laser and automation Hi-Tech Group Company, leading in equipment manufacture industry.

Mission:Bring artificial intelligence, automation, green energy and economic friendly to the whole world and society;Fastest service to customers, share wealth with customers and distributors, grown together with employee, contribution to whole equipment and manufacturing world!



企业发展历程

Milestone



Research and Development

Core engineer & technical and management team have average experience in Laser & Automation industry more than 15 years!

- Core engineer team has tens of doctor degree and hundreds with master degree.
- All graduated from International named universities, and experienced in international and overseas companies.
- Annual R&D investment takes up 9% of total sales volume

Core Tech and patents

- ◆ Completely independent intellectual property rights
- ◆ More than one hundred patents
- ◆ 63 Patents have been authorized



Product series

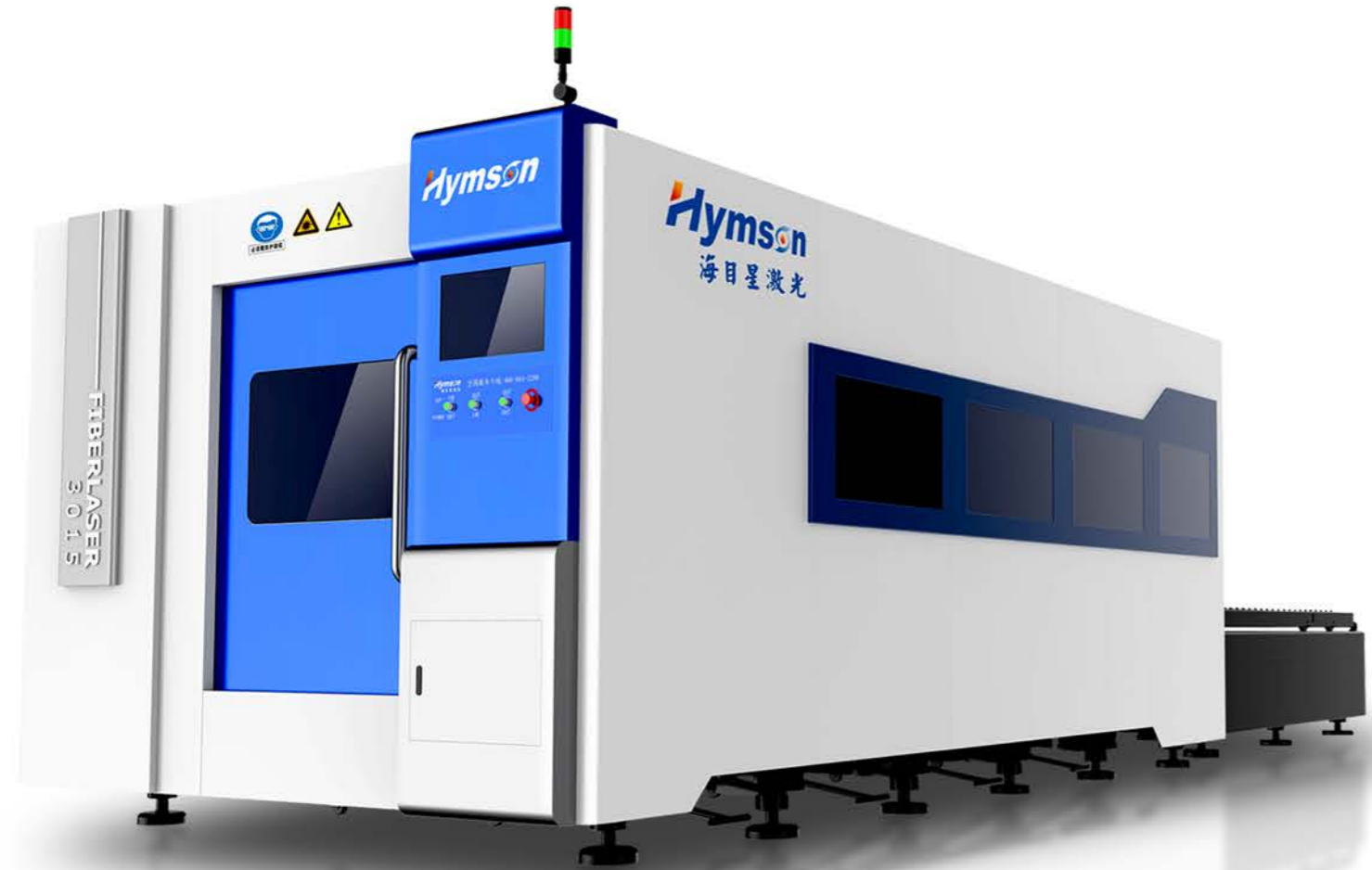
- HF•A series laser cutting machine
- HF•B series laser cutting machine
- HF•C series laser cutting machine
- HF•D series laser cutting machine
- HF•G series laser cutting machine
- HF•AP series plate tube double use laser cutting machine
- HF•60P special type laser cutting machine

Product line

1. Green laser machine 、 UV laser machine with stable air-cooling 、
Picosecond lasers 、 Femtosecond lasers
2. 3D laser welding system 、 Laser welding automation equipment 、
Laser welding assembly line
3. 3D high-speed Precise Laser marking Machine 、
3D laser marking machine 、 laser marking machine assembly line system
4. Precision UV processing equipment 、
Precision picosecond laser processing equipment 、
Precision femtosecond laser processing equipment



HF·G系列光纤激光切割机 HF · G series fiber laser cutting machine



- For energy efficient, we suggest to use for higher power condition Stability,high efficiency, high intelligence
- Stability, high efficiency, high intelligence**

BECKHOFF New automation technology

- Our top R&D software engineer team, based on open source BECKHOFF platform, brings customer the highest intelligent using experience.
- All modules based on ETHERCAT bus control system, supporting variety of field buses, can satisfy maximum need of system open source.
- The open program code, ensuring second time customized development, upgrades the value of all system.
- (NC/CNC/PLC system, can avoid system performance loss from CPUs' communication in traditional structure.
- Rapid and real-time Ethernet communication ensures short time cycle control and environmental reliability.
- We apply whole set of original servo motor unit, ultra-high dynamic performance to improve Operating efficiency.

Technical data

Model	HF3015G	HF4020G	HF6020G
Processing area(L*W)	3020mm x 1510mm	4020mm x 2010mm	6020mm x 2010mm
Z axis track	240mm	240mm	240mm
X/Y axis positioning accuracy	±0.03mm/m	±0.03mm/m	±0.03mm/m
X/Y axis repeat positioning accuracy	±0.02mm	±0.02mm	±0.02mm
X/Y axis Max positioning speed	169m/min	169m/min	169m/min
X/Y axis Max acceleration	2.0 g	1.8 g	1.6 g
Weight of machine	10.8 t	14.6 t	18.8 t
Max load of worktable	1.8 t	2.2 t	2.6 t
Dimension(L*W*H)	8300mm x 5700mm	10200mm x 6400mm	14300mm x 6900mm
IP degree	IP54	IP54	IP54

HF·D系列光纤激光切割机 HF · D series fiber laser cutting machine



Stability, high efficiency, high intelligence

BECKHOFF New automation technology

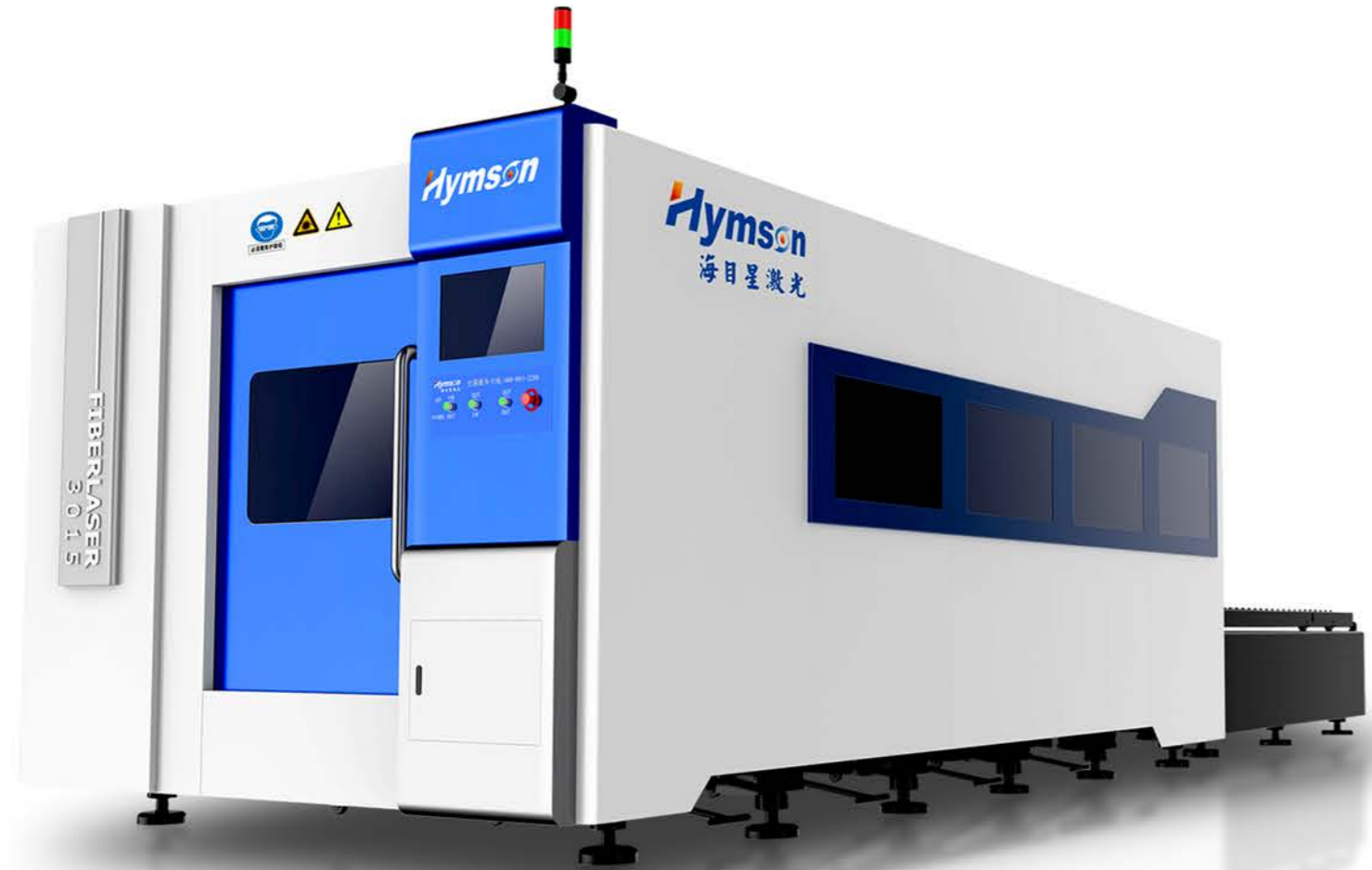
High efficiency, Low consumption, Reliability

- Friendly computer system for easier operation
- CNC ensures high accuracy, high stability and fast speed to U axis follow, power unit, follow-up control, leapfrog control, scan cutting and so on.
- Our standard regulated power supply unit, ensure the whole system reliability, save more cost and easier service
The high intelligent Bosch (Rexroth) automation proportional valve system, brings significantly costs reduce.
- Based on BECKHFOO platform innovation, will definitely increases your machining efficiency and process quality.

Technical data

Model	HF3015D	HF4020D	HF6020D
Processing area(L*W)	3020mmX1510mm	4020mmX2010mm	6020mmX2010mm
Z axis track	240mm	240mm	240mm
X/Y axis positioning accuracy	±0.03mm/m	±0.03mm/m	±0.03mm/m
X/Y axis repeat positioning accuracy	±0.02mm	±0.02mm	±0.02mm
X/Y axis Max positioning speed	140m/min	140m/min	140m/min
X/Y axis Max acceleration	1.5 g	1.2 g	1.0 g
Weight of machine	约8.8 t	约11.6 t	约14.8 t
Max load of worktable	1.2 t	1.8 t	2.2 t
Dimension(L*W*H)	8300mmX5700mm	10200mmX6400mm	14300mmX6900mm
IP degree	IP54	IP54	IP54

HF·B系列光纤激光切割机
HF · B series fiber laser cutting machine



Stability, high efficiency, high intelligence

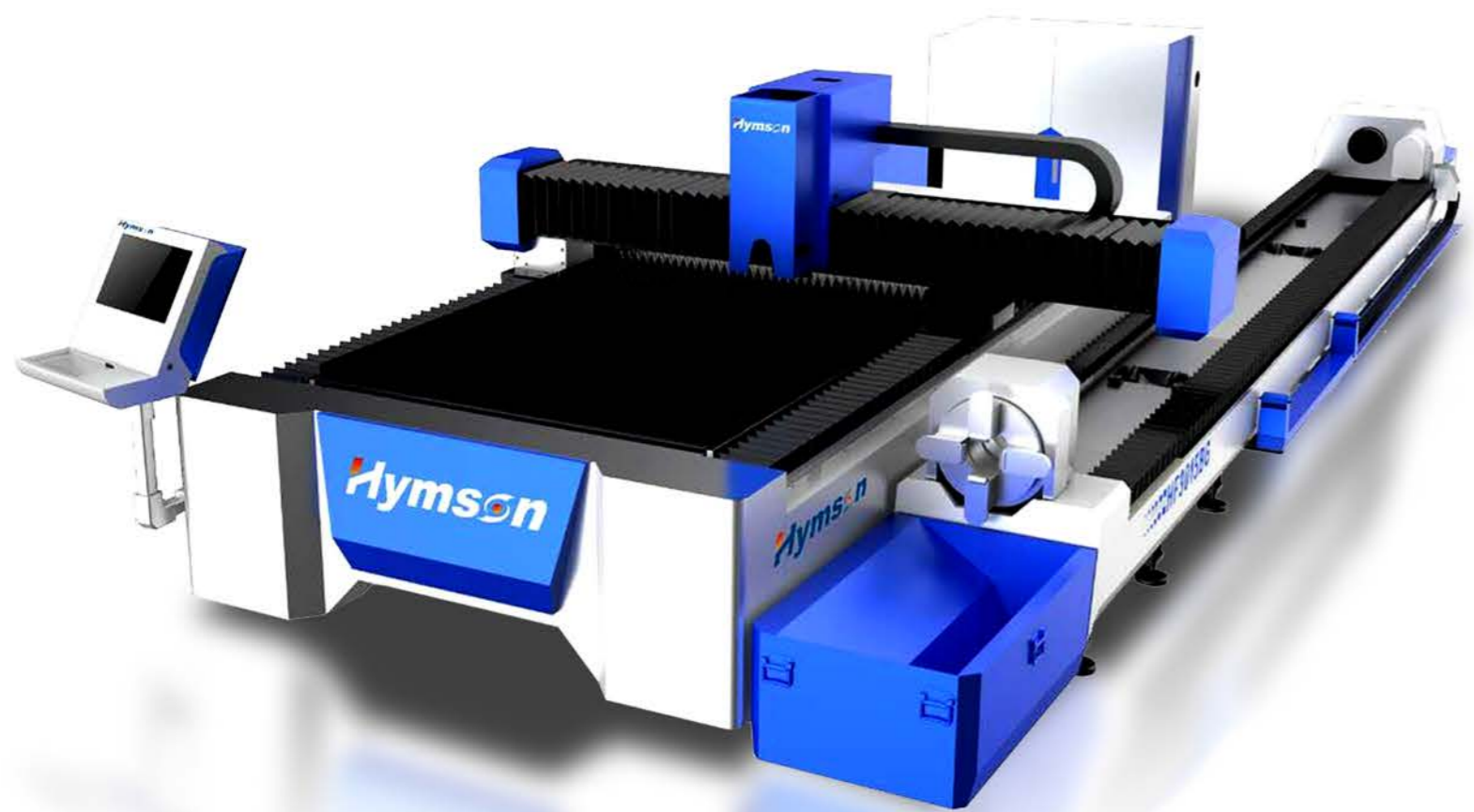
- High cutting efficiency, high cost performance and low running cost
High cutting performance for copper/brass, aluminum, stainless steel and carbon steel



Technical data

Model	HF3015B	HF4020B
Processing area(L*W)	3020mm x 1510mm	4020mm x 2010mm
Z axis track	240mm	240mm
X/Y axis positioning accuracy	±0.03mm/m	±0.03mm/m
X/Y axis repeat positioning accuracy	±0.02mm	±0.02mm
X/Y axis Max positioning speed	120m/min	100m/min
X/Y axis Max acceleration	1.0 g	1.0 g
Weight of machine	8.8 t	11.6 t
Max load of worktable	0.8 t	1.2 t
Dimension(L*W*H)	8300mm x 5700mm	10200mm x 6400mm
IP degree	IP54	IP54

HF·AP系列管板两用光纤激光切割机
HF · AP Series Tube Sheet Dual Purpose Fiber Laser Cutting Machine



Stability, high efficiency, high intelligence

◆ Workable for sheets and pipes



Technical data

Model	HF3015AP	Tube processing specification	φ20~φ120mm □20~□85mm
Processing area(L*W)	3020mm x 1510mm	Tube length	6000mm
X/Y axis positioning accuracy	±0.03mm/m	V axis Max. rotation speed	150r/min
X/Y axis repeat positioning accuracy	±0.02mm	Max. Load of tube worktable	400KG
X/Y axis Max positioning speed	100m/min	Installing size	8700*5000
X/Y axis Max acceleration	0.6 g	Max. tube production length	3000mm
Max load of worktable	0.8 t	V axis Max. rotation acceleration	0.2 g
Dimension(L*W*H)	8300mm x 5700mm	IP degree	IP54

HF·A系列光纤激光切割机
HF · A series of fiber laser cutting machine



Stability, high efficiency, high intelligence

Manual loading, easier operate and flexible machining, lower maintenance requirements

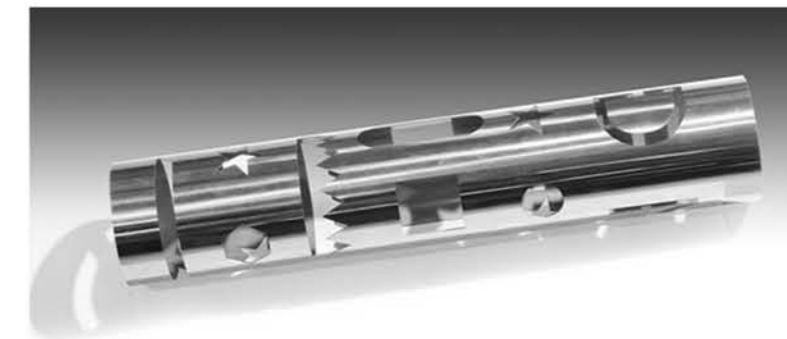


Technical data

Model	HF3015A	HF4015A	HF6020A
Processing area(L*W)	3020mmX1510mm	4020mmX1510mm	6020mmX2010mm
Z axis track	100mm	100mm	100mm
X/Y axis positioning accuracy	±0.03mm/m	±0.03mm/m	±0.03mm/m
X/Y axis repeat positioning accuracy	±0.02mm	±0.02mm	±0.02mm
X/Y axis Max positioning speed	110m/min	110/min	100m/min
X/Y axis Max acceleration	1.0 g	1.0 g	0.8 g
Weight of machine	约4.8 t	约5.8 t	约9.8 t
Max load of worktable	0.4 t	0.8 t	1.2 t
Dimension(L*W*H)	约4800mmX4800mm	约5800mmX4800mm	约7800mmX6400mm
IP degree	IP54	IP54	IP54

HF·60P系列特种激光切管机
HF · 60P series laser pipe cutting machine

- ▶ Pipe cutting only
- ▶ Flexible design for customized requirement
- ▶ Pipe cutting diameter Max.Φ500MM
- ▶ Fast investment return



Technical data

Tube process length	≤6150mm
Tube diameter	φ20mm~φ300mm Max φ500mm
Cutting path setting	Max cutting length≥6000mm whole tube
Left material length	0~20mm
X axis running speed	≤50m/min
Speed of axis rotation	≤150r/min Unlimited rotary
Cutting accuracy	±0.05mm
Max.Load of worktable	800KG
Tube position method	Automatic coaxial position
Machine tool technology	Reinforce overall welding machine bed
IP degree	IP54

Hymson Fiber cutting thickness (mm)

Fiber	1000W	1500W	2000W	3000W	4000W	6000W	8000W
Carbon steel	10	12	16	20	22	25	25
Stainless steel	5	6	8	10	12	20	30
Aluminum	3	4	6	10	12	16	30
Brass	2	3	5	8	8	10	16
Red copper	1	2	3	4	6	8	10

(For reference only)

Hymson Fiber Customer investment return

	Fiber		Fiber		Fiber		Fiber
Laser Source Power	1000	1500	2000	3000	4000	6000	8000
Power Consumption(KW)	8.4	10.5	12.6	16.6	20.8	28.6	34.3
Electricity Cost(USD)	1.5	1.8	2.2	2.9	3.6	5.0	6.0
Gas Type	N ₂ / O ₂	N ₂ / O ₂	N ₂ / O ₂	N ₂ / O ₂	N ₂ / O ₂	N ₂ / O ₂	N ₂ / O ₂
Gas Cost(USD)	2.2	2.3	2.6	2.9	2.9	3.6	4.3
Cost/h (USD)	3.7	4.1	4.8	5.8	6.5	8.6	10.3

Note: based on gas cost 0.2USD/KG,electricity cost 0.19USD/KW.h

(For reference only)

部分合作伙伴 Our partners

