

PLATE LASER CUTTING MACHINE SERIES

— It is applicable to various kinds of materials processing with more flexibility, accuracy and high quality

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THE LIGHT OF INTELLIGENT MANUFACTURING

More flexible, more accurate and higher quality

It is applicable to various kinds of materials processing, easy to process different kinds of work pieces.





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BRAND

Company Profile



COMPANY PROFILE

HSG LASER is a national high-tech enterprise who is dedicated in providing laser intelligent equipment solutions to customers all over the world. We focus on the field of laser intelligent equipment manufacturing with the concept of efficient, intelligent, environmental and compatible product development.

Since our establishment in 2006, Beyond(HSG) Laser has developed rapidly with four standardized intelligent equipment manufacturing base covering an area more than 40,000 square meters. In the area of laser robot, multi-axis professional tube cutting, precise welding automated production lines and the related, we achieve Flexible Manufacturing and Digital Hierarchical Management. Beyond(HSG) Laser's intelligent

equipment work stably in more than 100 countries and regions. And we have a wide range bench-marking paradigm in the area of precision appliance, auto parts, kitchen hardware, electronics, smart home industry. With professional, independent core R & D team and perfect systematic after-sales technical department, we truly provide customer-oriented service experience.

As a leading enterprise of laser intelligent equipment, Beyond (HSG) Laser has been providing key technology and customized integration solutions for Industry 4.0 and future factories, helping enterprises to carry out intelligent manufacturing, making intelligent manufacturing to change our work within touch.



PRODUCTS

- HS-G4020V The 5th generation high power fiber laser cutting machine
- HS-G4020H Above 10 KW high power fiber laser cutting machine
- HS-G3015A Full cover fiber laser cutting machine
- HS-G3015C Open-type fiber laser cutting machine
- HS-G3015X European-style elegant fiber laser cutting machine

PLATE LASER CUTTING MACHINE SERIES

Reliable quality

Stable and reliable:
Europe and American standard design, full protection and safety guarantee.

Complete facilities:
Mature products with advance technology and optional accessories.

Superior performance

Wide applicability:
Able to cut Multi-variety material with different thicknesses and dimensions, satisfying different processing needs.

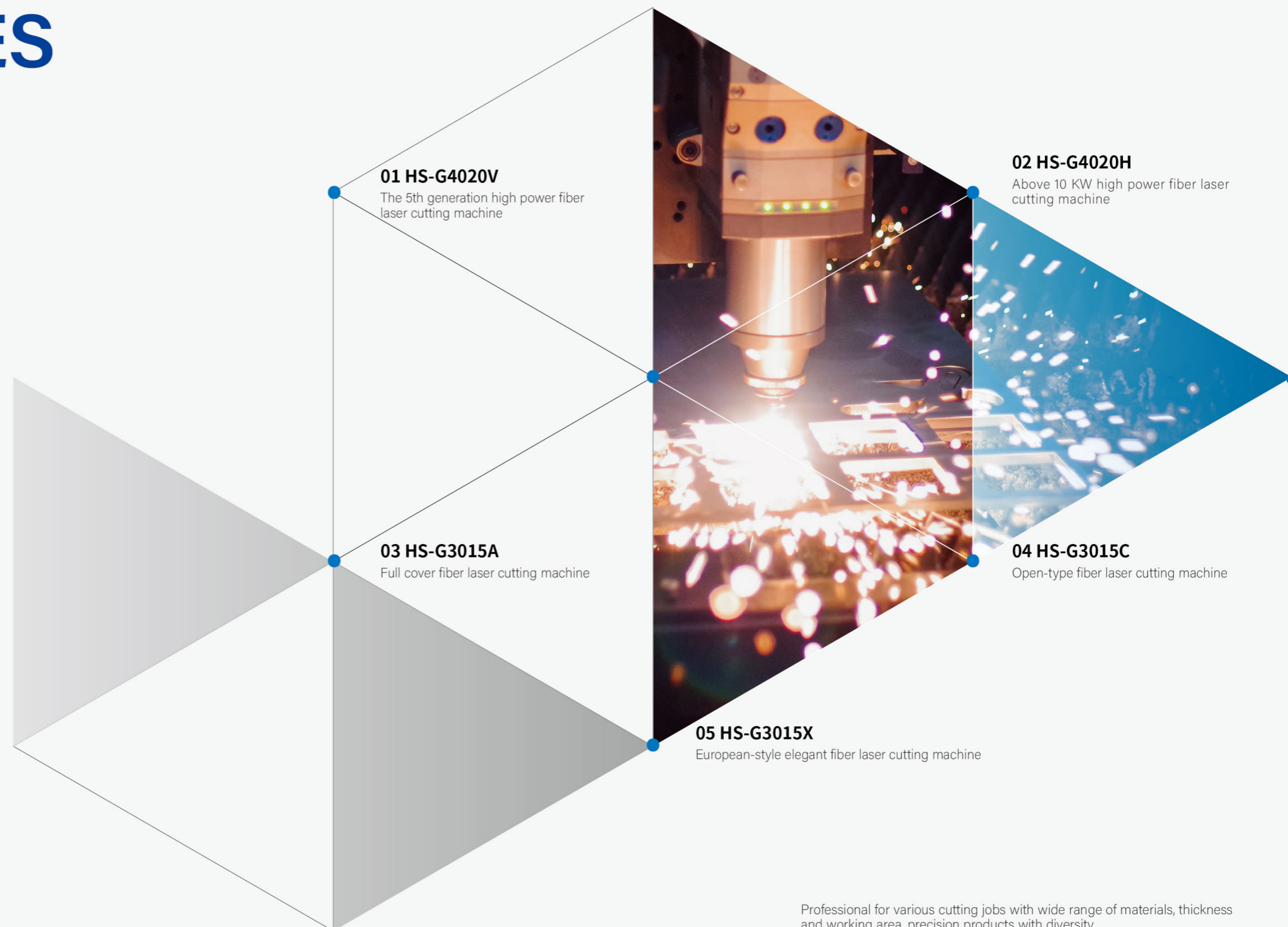
High quality cutting:
Using various high precision advance technology to ensure high quality output.

Environment protection and low consumption:
Energy saved, low dust emission and high material utilization.

Flexible system

Easy control:
High level automation and easy platform.

High accuracy:
Servo driving system to ensure high accuracy, high speed and high reliability.



Professional for various cutting jobs with wide range of materials, thickness and working area, precision products with diversity

HS-G4020V

The 5th generation high power fiber laser cutting machine

Applicable materials

Professional for cutting 0.5~50mm carbon Steel, 0.5~50mm stainless Steel, 0.5~50mm aluminum, 0.5~15mm brass, 0.5~12mm Red Copper, Galvanized plate, Silicon steel and other metal plates(thickness and material are related to laser source).



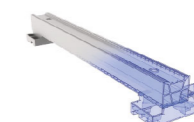
Working area 4000×2000mm	Laser power 8000W~15000W	Max. Moving Speed 169m/min	Max. Acc. Speed 2.0G
Positioning accuracy ±0.03mm/m	Repositioning accuracy ±0.02mm	Machine Weight 16000Kg	Overall dimensions 11500×3700×2400mm

Model advantage



Dust removal unit

Small and big dust removal unit division
Better effect for dust remove at same height platform.



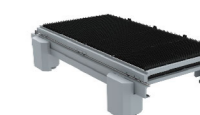
Cold drawn extruded aluminum beam

Light weight, good rigidity, high accuracy
and good dynamic performance.



EtherCAT HSG-X Bus control system

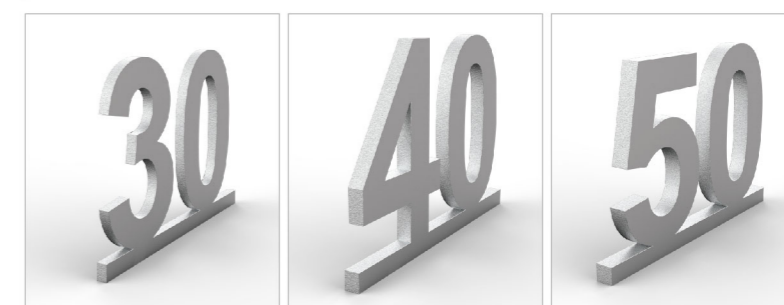
EtherCAT bus control, network transmission free from outside interference, and working reliably. Integrated soft PLC design without hardware module, can be used for long life stably.



Hydraulic system

Using up-down platform with this hydraulic system, has good synchronicity, heavy rising load, simple moving parts, less trouble points and rapid cycle in short term.

Cutting samples

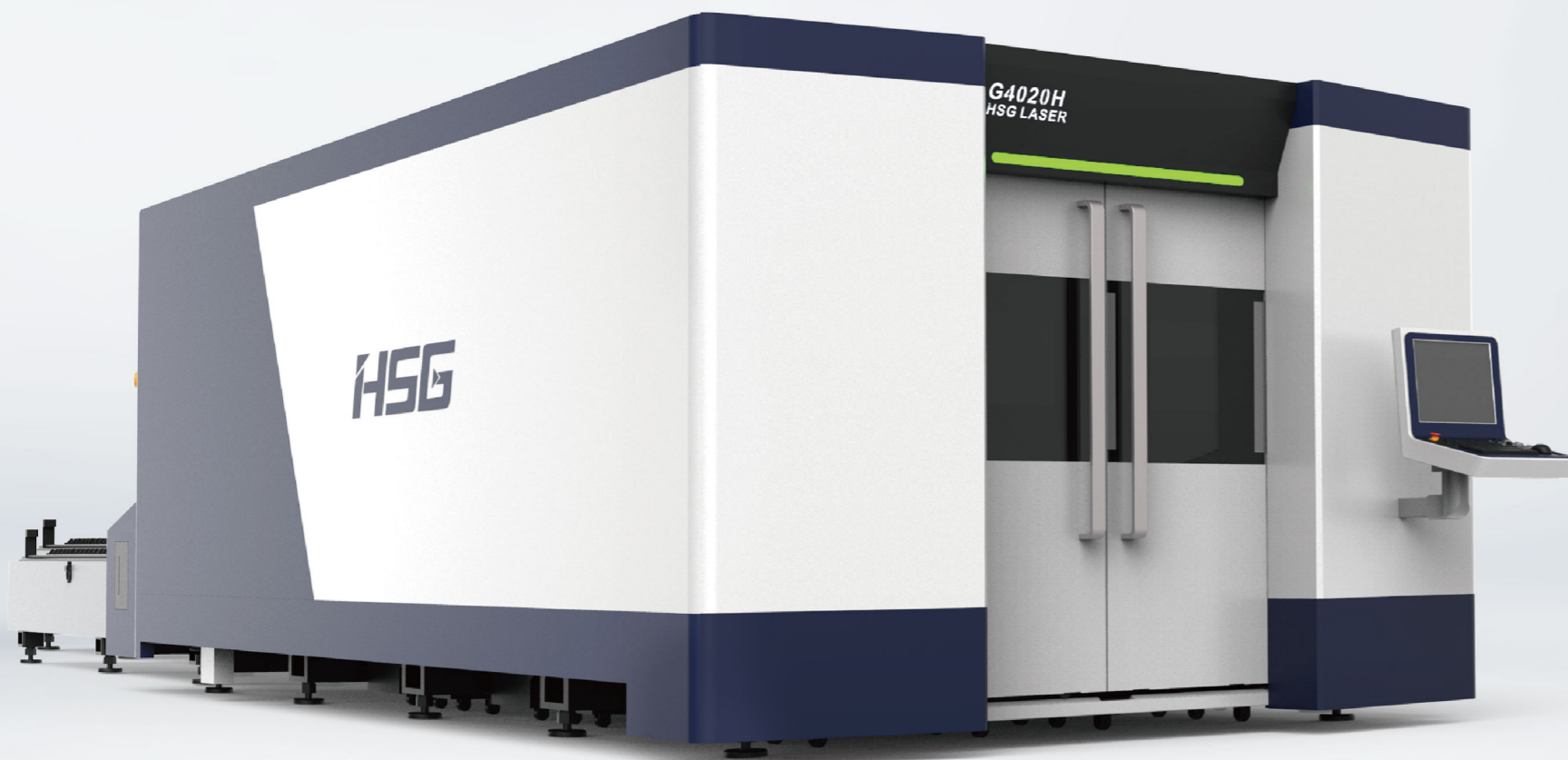


HS-G4020H

Above 10 KW high power fiber laser cutting machine

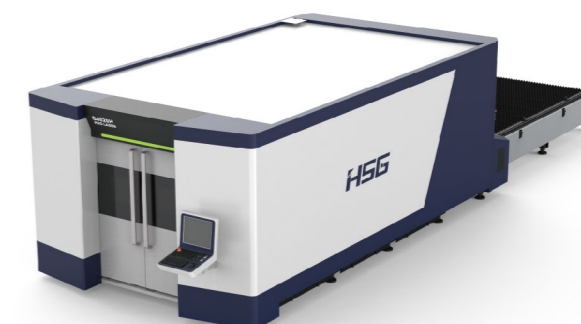
Applicable materials

Professional for cutting 0.5~50mm Carbon Steel, 0.5~50mm Stainless Steel, 0.5~50mm Aluminum, 0.5~15mm Brass, 0.5~12mm Red Copper, Galvanized plate, Silicon steel and other metal plates (Thickness and material are related to laser power).



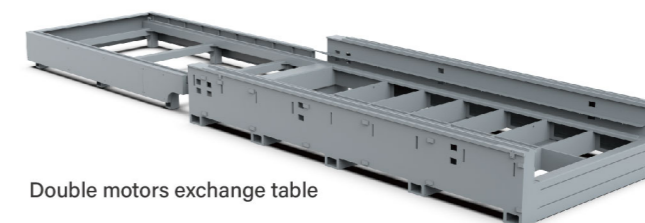
Working area	Laser power	Max. Moving Speed	Max. Acc. Speed
4000×2000mm(optional)	6000W~15000W	169m/min	2.0G
Positioning accuracy	Repositioning accuracy	Machine Weight	Overall dimensions
±0.03mm/m	±0.03mm	18000Kg	11500×3500×2500mm

Model advantage



Full cover protective design

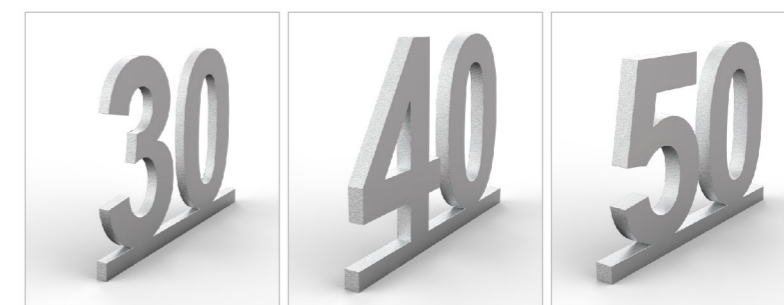
Good sealing, more environmental protection, much more safety.



Double motors exchange table

Higher speed for table exchange, better position accuracy.

Cutting samples



HS-G3015A

Full cover fiber laser cutting machine

Applicable materials

Professional for cutting 0.5~25mm Carbon Steel, 0.5~20mm Stainless Steel, 0.5~16mm Aluminum, 0.5~12mm Brass, 0.5~8mm Red Copper, Galvanized plate, Silicon steel and other metal plate (Cutting thickness and material are related to laser power).

Top 1 sales volume model

Ranked No. 1 in sales quantity in the whole industry.

Integrated electrical cabinet

Few external electric wire;
Improve safety.



Technical parameter

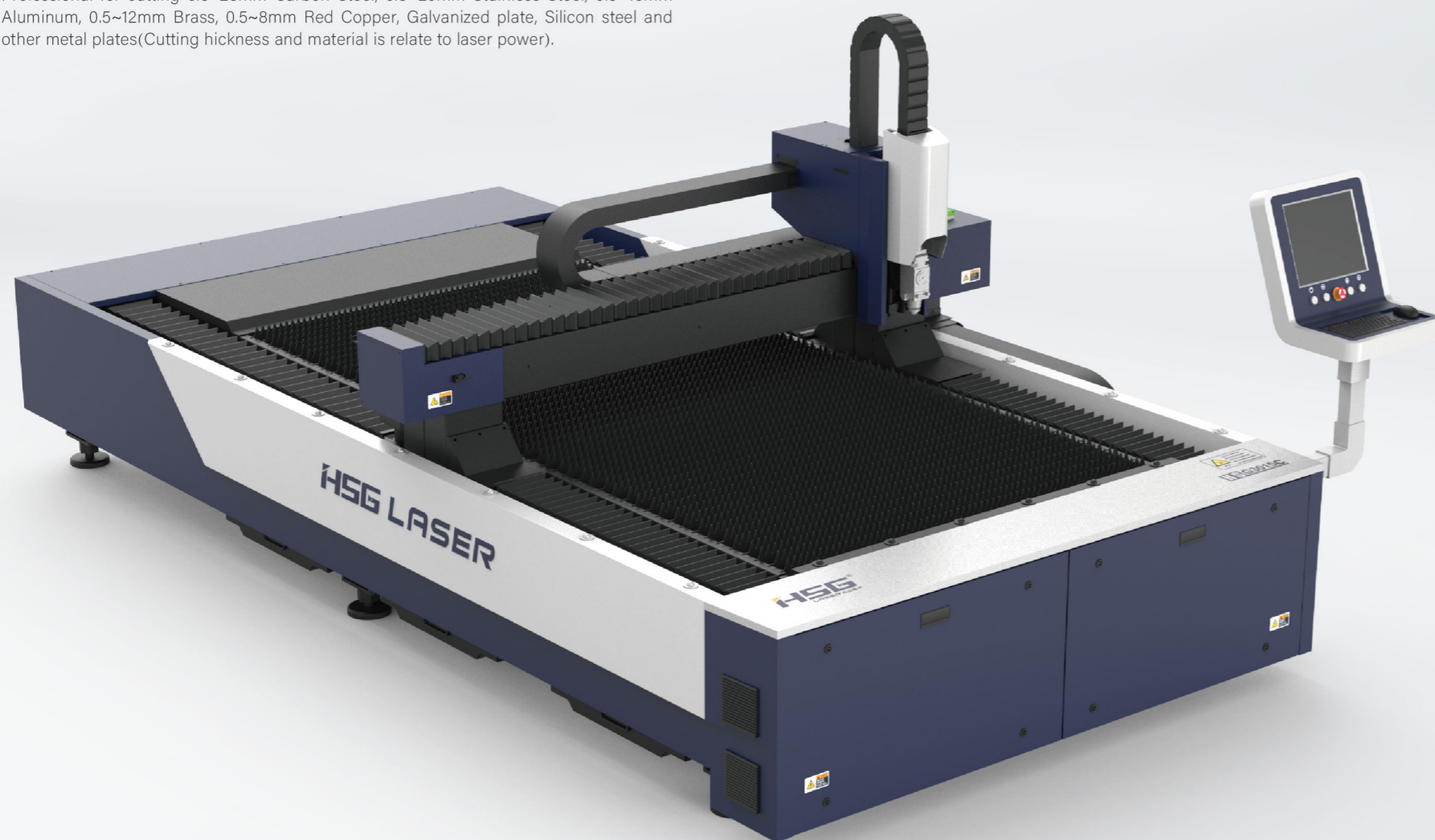
Working area 3000×1500mm	Laser power 500W~3000W	Max. Moving Speed 140m/min	Max. Acc. Speed 1.2G
Positioning accuracy ±0.05mm/m	Repositioning accuracy ±0.05mm	Machine Weight 7500Kg	Overall dimensions 8500×2900×1900mm

HS-G3015C

Open-type fiber laser cutting machine

Applicable materials

Professional for cutting 0.5~25mm Carbon Steel, 0.5~20mm Stainless Steel, 0.5~16mm Aluminum, 0.5~12mm Brass, 0.5~8mm Red Copper, Galvanized plate, Silicon steel and other metal plates(Cutting hickness and material is relate to laser power).



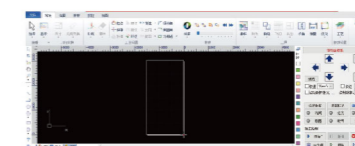
Working area 3000×1500mm	Laser power 500W~3000W	Max. Moving Speed 100m/min	Max. Acc. Speed 1.0G
Positioning accuracy ±0.05mm/m	Repositioning accuracy ±0.05mm	Machine Weight 3300Kg	Overall dimensions 4600×2600×1650mm

Model advantage



Saving floor area

Smaller floor area compare with counterpart machine in the market.



Professional CNC control system

Laser power adjustment function, ensure cutting quality and easy to operate.

Cutting samples



HS-G3015X

European-style elegant fiber laser cutting machine

Applicable materials

Professional for cutting 0.5~25mm Carbon Steel, 0.5~20mm Stainless Steel, 0.5~16mm Aluminum, 0.5~12mm Brass, 0.5~8mm Red Copper, Galvanized plate, Silicon steel and other metal plates (Cutting thickness and material are related to laser power).



Working area 3000×1500mm	Laser power 500W~3000W	Max. Moving Speed 120m/min	Max. Acc. Speed 1.2G
Positioning accuracy ±0.05mm/m	Repositioning accuracy ±0.05mm	Machine Weight 7000Kg	Overall dimensions 8300×2260×2200mm

Model advantage



Small size machine body, easy to transport and save much freight

Small size machine body, easy to transport and save much freight-Loaded in one 40HQ container, greatly reduce transport cost.



High standard CE approved model, full cover design and safety is guaranteed

Full cover design with OD4 Fiber optic protective glass for operators' safety;
Independent electric cabinet design is good for heat emission and free from dust, running more stably and avoiding potential safety hazard while the machine is being maintained;
Adopt full protection plate prevent laser radiation.

Cutting samples



GLOBAL PARTNERS



SIEMENS



Raycus



Panasonic



PRECITEC



SANYODENKI



BECKHOFF



Rexroth
Bosch Group



PROFESSIONAL SERVICES

Presale service



Professional consultation

We could provide customers with product information consulting service at any time by network, phone, e-mail, visiting us, etc.



Inspection & Reception

Customers could visit our company site and showroom, and we will arrange professional staff to make reception.



Free samples

We could make samples for free and express them to customers.

In-sale Service

We insist on treating each customer with integrity and fairness, strictly implementing contract terms, and ensuring that every equipment ordered by the customer is of high quality and high standard output.

Integrity

Quality assurance

Fairness



After-sale service

Quality assurance commitment

The whole machine has one year warranty (except for consumable parts:optical lenses, cutting nozzles, etc.)

Contact us

Global network service: experts remotely diagnose faults online and provide solutions timely

Instruction materials included

Installation guide, Maintenance guide, Unloading guide, Training guide, etc.