

# PLATE AND TUBE LASER CUTTING MACHINE SERIES

— Larger exchangeable working table, stronger production capability. Multifunctional machine with complete function



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THE LIGHT OF INTELLIGENT MANUFACTURING

# Larger exchangeable working table, stronger production capability.

Multifunctional machine with complete function.





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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-G6020E-35Q  
6 meters dual-drive plate and tube cutting machine with exchangeable table and cover

HS-4020E-22Q  
4 meters plate and tube laser cutting machine with exchangeable table and cover

HS-G3015B-16Q  
Dual-drive plate and tube laser cutting machine

# PLATE AND TUBE LASER CUTTING MACHINE SERIES

## Large exchangeable working table

6000mm×2000mm

## Large tube cutting range

round tube:  $\phi$ 20-325mm

Square tube:  $\square$ 20×20-230×230mm

## Cutting both plate and tube with large expansibility

Complete function with wide satisfaction for various kinds of plate and tube

## Heavy-duty steel die casting gantry

Longer lifetime, higher strength, lighter weight, smaller inertia, better dynamic performance

## High-end CNC system improves 50% working efficiency

High automation, faster controlling, greatly cut down production time

## Europe and USA quality, safe and reliable, durable and worry-free

Carefully selected high level imported components, ensuring the high precision and reliability of the machine.

### 01 HS-G6020E-35Q

6 meters dual-drive plate and tube cutting machine with exchangeable table and cover

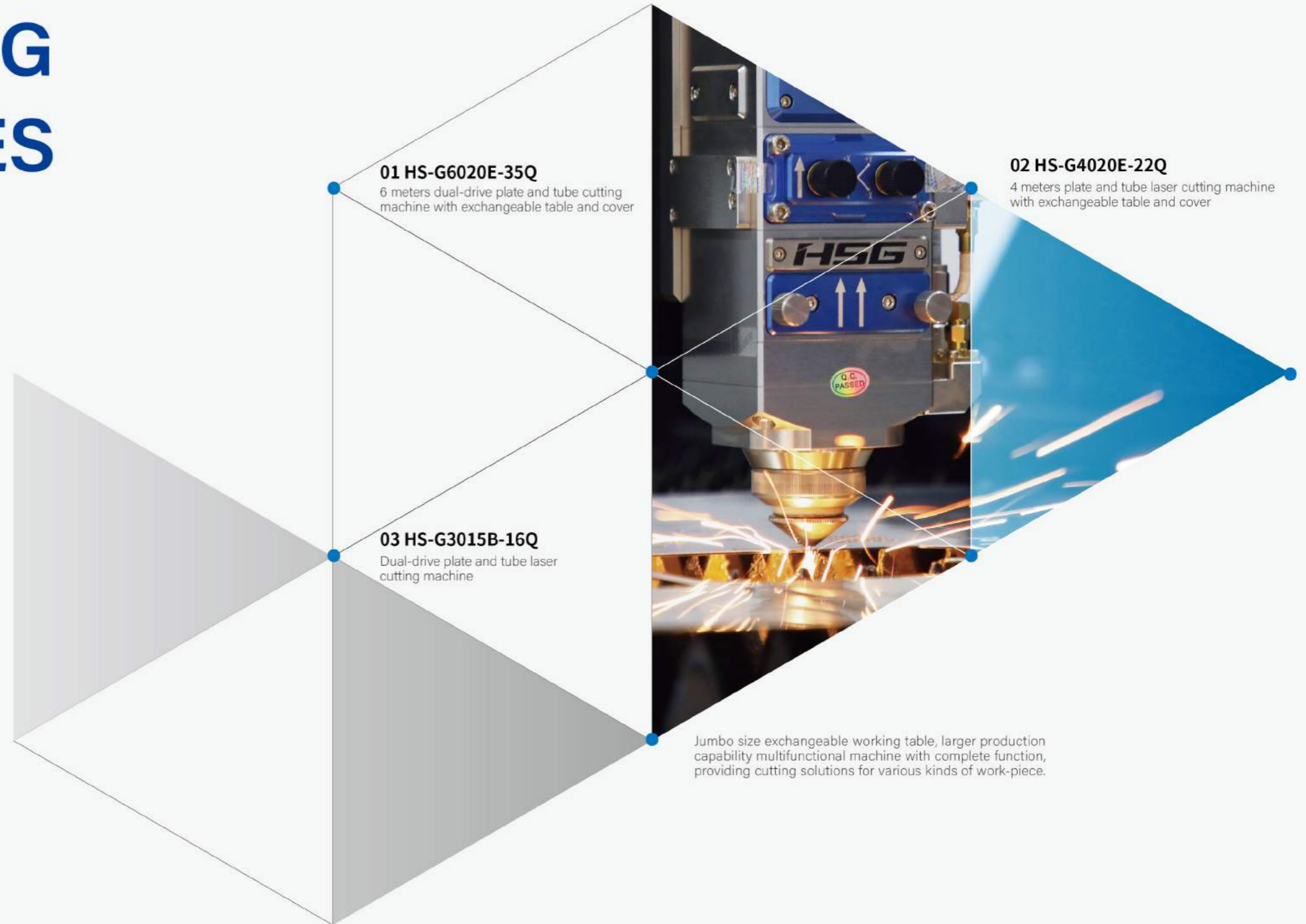
### 02 HS-G4020E-22Q

4 meters plate and tube laser cutting machine with exchangeable table and cover

### 03 HS-G3015B-16Q

Dual-drive plate and tube laser cutting machine

Jumbo size exchangeable working table, larger production capability multifunctional machine with complete function, providing cutting solutions for various kinds of work-piece.



# HS-G6020E-35Q

6 meters dual-drive plate and tube cutting machine with exchangeable table and cover

## Applicable Materials

### TUBES

Specially used for cutting square tubes, round tubes, rectangle tubes, D-shaped tubes and hexagon tubes etc. Cutting capacity- square tubes: 20×20-100×100mm, round tubes:20-150mm, thickness 0.5-5mm carbon steel tubes,0.5-5mm stainless steel tubes.

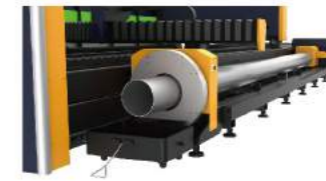
### SHEETS

Specially used for cutting 0.5-25mm carbon steel, 0.5-20mm stainless steel, 0.5-12mm brass, 0.5-8mm copper, as well as galvanized steel, electrolytic steel and silicon steel etc (thickness and materials are related to the power of fiber laser source).



Working area	Laser power	Max. Moving Speed	Max. Acc. Speed
6000×2000mm	500W~4000W	60m/min	0.5G
Positioning accuracy	Repositioning accuracy	Machine Weight	Overall dimensions
±0.05mm/m	±0.05mm	16000Kg	15500×4400×2100mm

## Model advantage



multifunctional machine with complete function, providing cutting solutions of various kinds of work-piece

325mm extra large tube diameter



Full cover is optional

## Cutting samples





# HS-G4020E-22Q

4-meters plate and tube laser cutting machine with exchangeable working table and outer cover

## Applicable Materials

### TUBES

Specially used for cutting square tubes, round tubes, rectangle tubes, D-shaped tubes and hexagon tubes etc. Cutting capacity- square tubes: 20×20-150×150mm, round tubes:20-210mm, thickness 0.5-5mm carbon steel tubes,0.5-5mm stainless steel tubes.

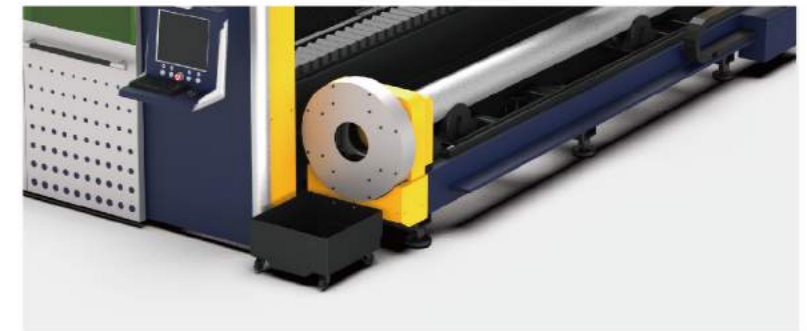
### SHEETS

Specially used for cutting 0.5-25mm carbon steel, 0.5-20mm stainless steel, 0.5-16mm aluminum, 0.5-12mm brass,0.5-4mm copper, as well as galvanized steel, electrolytic steel and silicon steel etc(thickness and materials are related to the power of fiber laser source).



Working area 4000×2000mm	Laser power 500W-4000W	Max. Moving Speed 60m/min	Max. Acc. Speed 0.5G
Positioning accuracy ±0.05mm/m	Repositioning accuracy ±0.05mm	Machine Weight 12000Kg	Overall dimensions 10000×4400×2100mm

## Model advantage



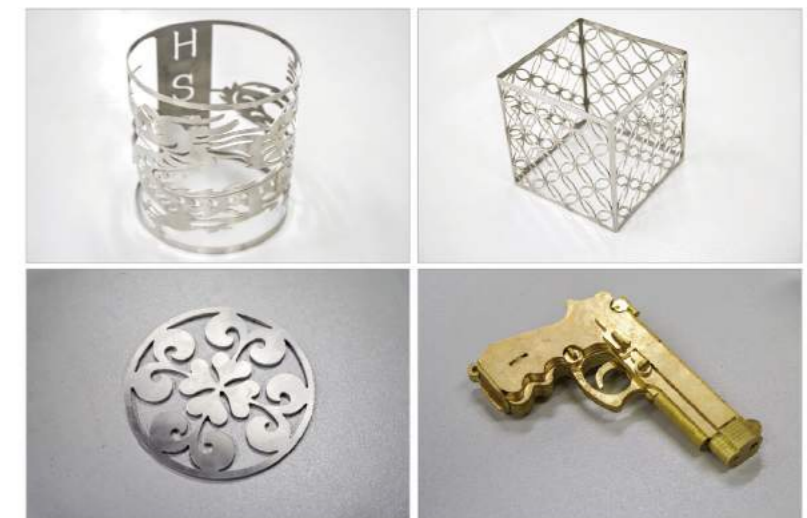
### Powerful plate and tube cutting machine

Full range covering pneumatic chuck, automatic centering with one button. convenient and practical.



Full cover is optional

## Cutting samples



# HS-G3015B-16Q

Dual-drive plate and tube laser cutting machine

## Applicable materials

### TUBES

Specially used for cutting square tubes, round tubes, rectangle tubes. Cutting capacity- square tubes: 20×20-100×100mm, round tubes:20-150mm,thickness 0.5-5mm carbon steel tubes, 0.5-5mm stainless steel tubes.

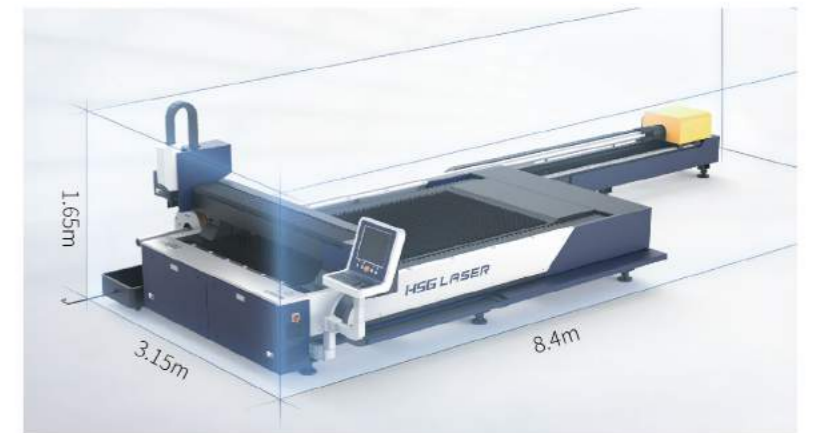
### SHEETS

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 is relate to laser power.)



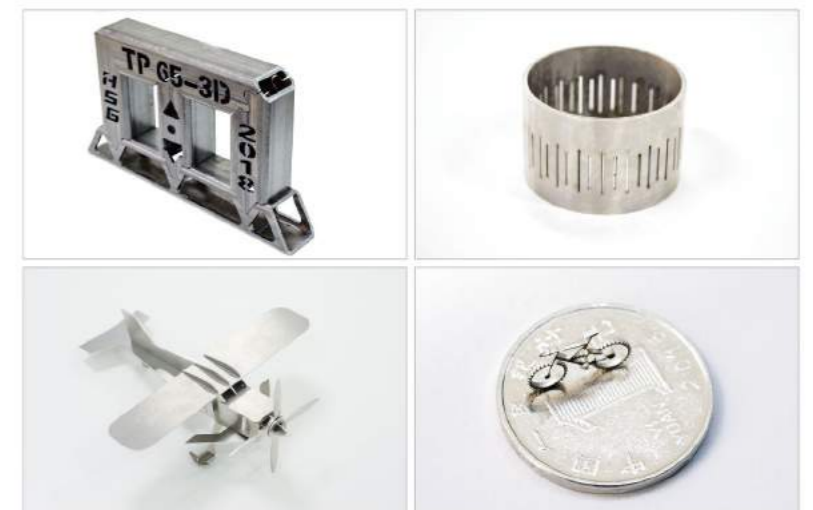
Working area 3000×1500mm	Laser power 500W-2000W	Max. Moving Speed 60m/min	Max. Acc. Speed 0.5G
Positioning accuracy ±0.05mm/m	Repositioning accuracy ±0.05mm	Machine Weight 5800Kg	Overall dimensions 8400×3150×1650mm

## Model advantage



Tube and plate laser cutting machine with smallest space covering

## 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.

