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**HSG**

(https://www.hsglaser.com)

## Fiber Metal Sheet Laser Cutting Machine

Machine Size 3015 4020 6020 | 2D Metal Plate Cutting | Material thickness up to 30mm

G4020H

(https://www.hsglaser.com/index.php?s=/sys/6.html)

G3015A

(https://www.hsglaser.com/index.php?s=/sys/1.html)

G3015E

(https://www.hsglaser.com/index.php?s=/sys/54.html)

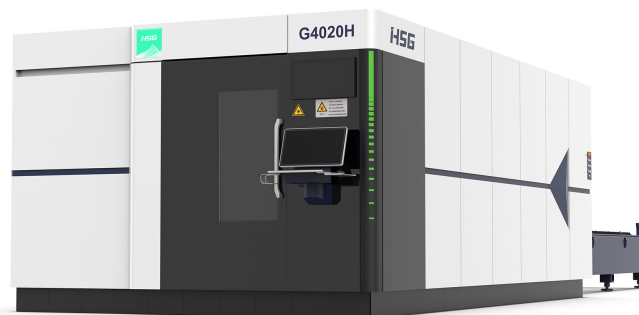
G4020E

(https://www.hsglaser.com/index.php?s=/sys/55.html)

# | G4020H

G4020H | HSG — Provide laser intelligent equipment solutions to global customers

The fully sealed design with true laser protection glass added to make the machine safer and more reliable. The two work tables move independently and do not interfere with each other. The design of this independent moving work tables makes it easier to clean the slag.



Offline

## Machine Body

Full plate-welding bed with the weight of 18 tons, solid and strong.

The G4020H laser cutter is most often installed in high power models, so that the installation of a stable, rigid bed is necessary. In this particular model, Made of carbon structural steel plate welding, dislocation nest box construction to avoid welding stress deformation, 600°C high temperature release annealing stress with 20 years of normal use without distortion.





## Beckhoff System

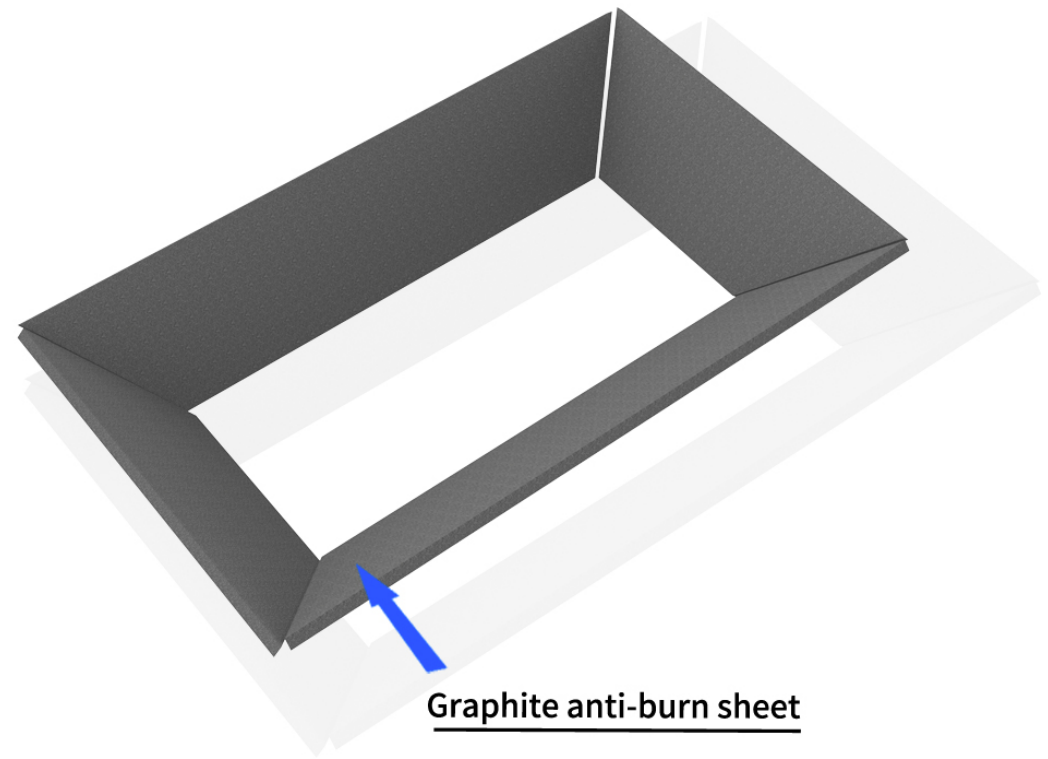
High efficiency Cnc System.

HSG LASER uses a CNC system from Beckhoff along with nesting software from SIGMANEST, both of which save raw materials and increase the processing efficiency.

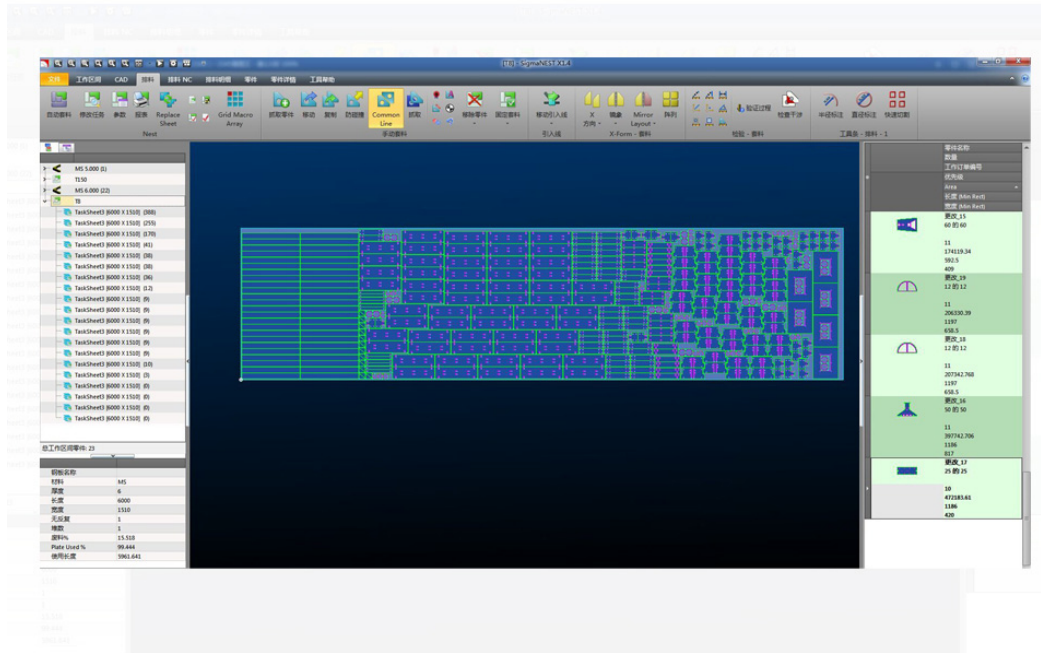
# Graphite Anti-burn Technology

The area in the entire machine tool where the laser can shoot at is all covered and protected by 20mm thick graphite sheet.

**Graphite anti-burn technology**



# Sigmanest nesting system



## Sigmanest Nesting System

One-button nesting, savvy and material saving.

The professional Sigmanest nesting system realizes one-button nesting, which is convenient and quick and saves materials savvier.

Follow-  
controlling Dust Remove Technology

## Controlling Dust Remove Technology

The cutting head is intimately protected, the production workshop will be kept clean and tidy.

The designs of small grid partitioning blowing, rotating butterfly valve type damper and large-diameter exhaust duct to achieve good ventilation and almost completely smoke-free effect. The opening and closing process during the movement of the machine tool is almost free of any noise.

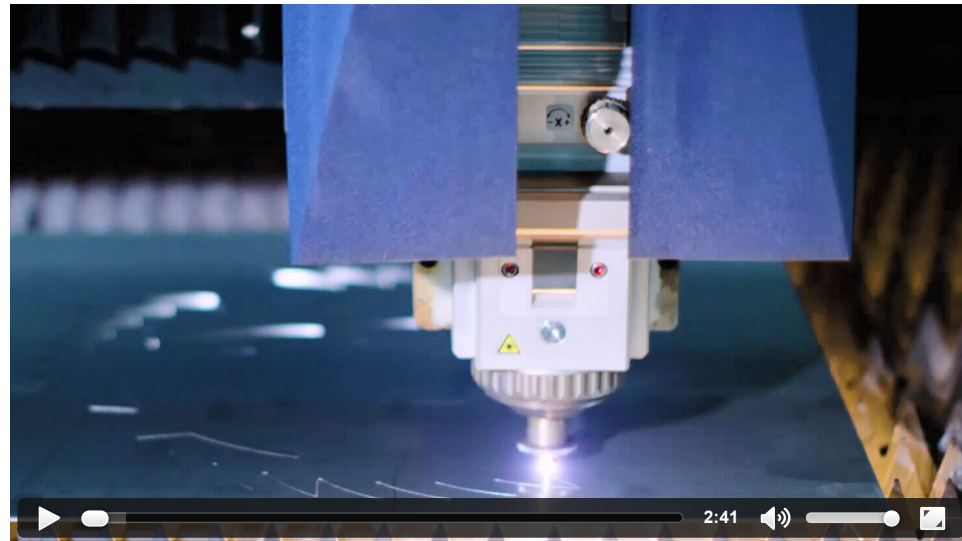
### Follow-controlling dust remove technology



Small grid partitioning blowing

## TECHNICAL PARAMETERS

Processing area 4000X2000mm ( optional )	Laser power 6000W-12000W	Max. moving speed 169m/min	Max. acc. speed 2G
Positioning accuracy $\pm 0.03\text{mm/m}$	Reposition accuracy $\pm 0.03\text{mm}$	Whole machine weight 18000Kg	Machine dimensions 11500*3500*2500mm





# SAMPLE

Professional for cutting 0.5-50mm carbon steel, 0.5-50mm stainless steel, 0.5-50mm aluminum, 0.5-16mm brass, 0.5-14mm red copper, galvanized plate, silicon steel and other metal paltes (cutting thickness and material are related to laser power).



(<https://www.hsglaser.com/Uploads/2018-12-05/5c073c3c999bb.jpg>)



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# CONTACT US

\* Name

\* What material need to be cut ? Normal thickness and maximum thickness ?

\* Country

\* Company

\* E-mail

\* Phone

\* Code



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## PRODUCTS

HIGH-POWER FIBER  
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TUBE AND SHEET  
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AUTOMATIC TUBE CUTTER  
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OPEN TYPE FIBER  
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3D LASER CUTTER  
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