



Cutting | Bending | Welding | Automation



# GH

✦ High-performance Laser Cutting Machine ✦

## Company Culture



### MISSION

Intelligent manufacturing changes future



### VALUES

Customer-focused and employee-based



### VISION

Become a respectable enterprise in the global metal forming equipment field

## Company Profile



19

Global Branches



100+

Countries Covered



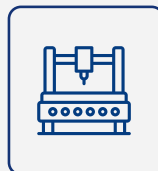
4

Manufacturing Bases



30+

Global Service Centers



8,000+

Annual Capability



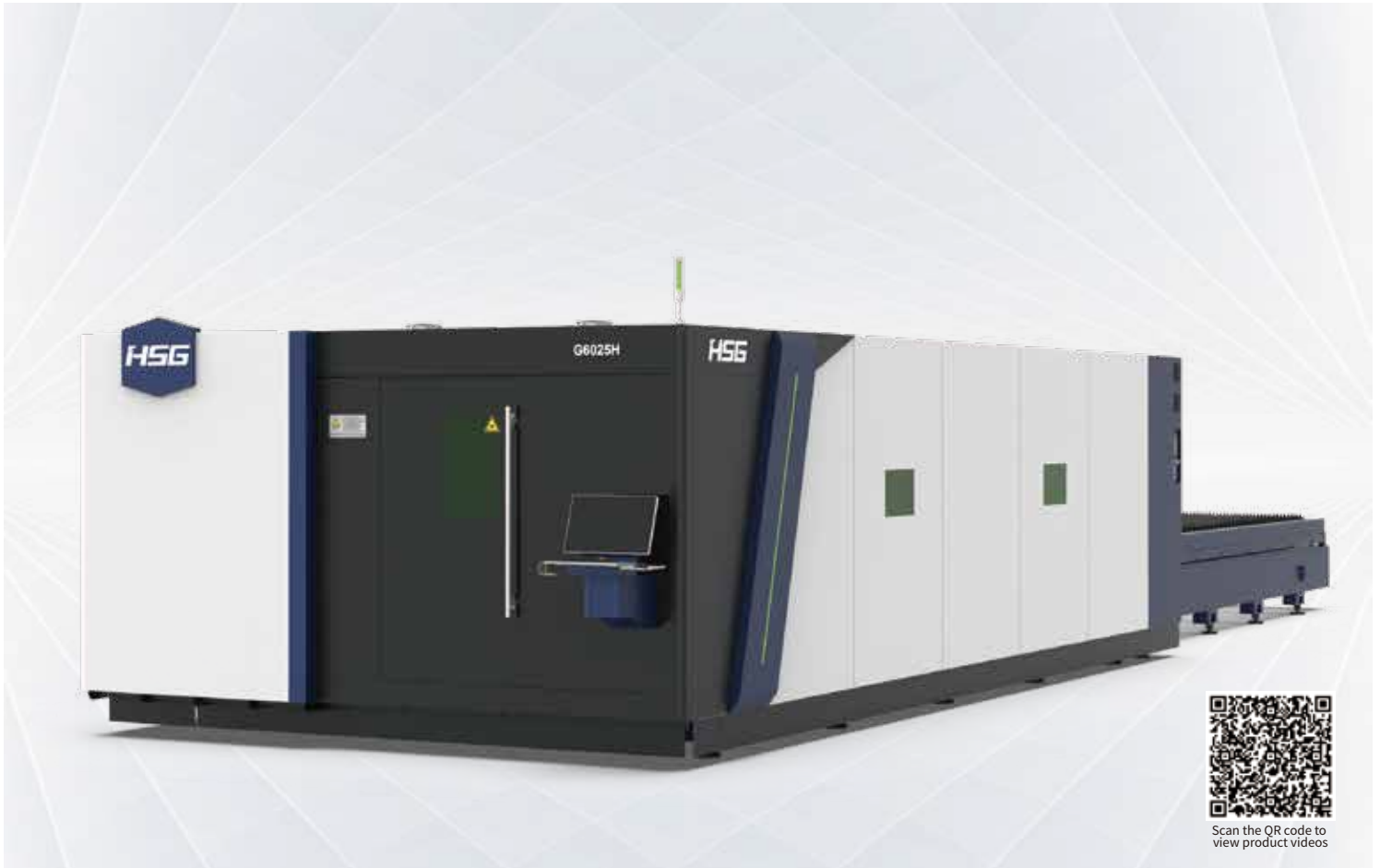
135,000m<sup>2</sup>

Occupied Area



# GH 3000-30000W

## High-performance Laser Cutting Machine



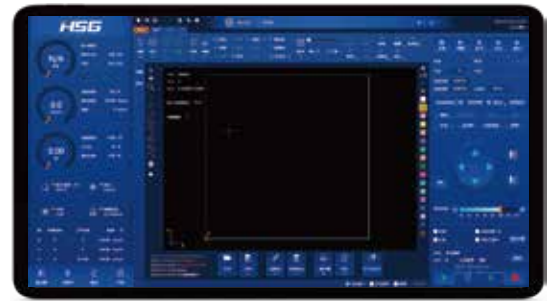
## Technical Parameters

| Technical Parameters            | G3015H        | G4020H        | G6025H        | G8025H        | G12025H        |
|---------------------------------|---------------|---------------|---------------|---------------|----------------|
| Power                           | 3000W-30000W  | 3000W-30000W  | 6000W-30000W  | 12000W-30000W | 12000W-30000W  |
| Processing format (L*W)         | 3048mm*1524mm | 4064mm*2032mm | 6096mm*2540mm | 8150mm*2540mm | 12500mm*2540mm |
| X/Y-axis positioning accuracy   | ±0.03mm/m     | ±0.03mm/m     | ±0.03mm/m     | ±0.03mm/m     | ±0.03mm/m      |
| X/Y-axis repositioning accuracy | ±0.02mm       | ±0.03mm       | ±0.03mm       | ±0.03mm       | ±0.03mm        |
| Max. Linkage Speed              | 200m/min      | 200m/min      | 200m/min      | 200m/min      | 200m/min       |
| Max. Linkage Acceleration       | 4G            | 2.8G          | 2.8G          | 2.8G          | 2.8G           |

\* Machine appearance, technical parameters, function description, data comparison shown in this page are from HSG in-house laboratory. All testing results and experimental data shall be subject to real machine.

## Bus Control System

- Upgraded version of bus control system has strong and diverse functions, which makes users enjoy green and intelligent control system through simple operations.
- Intelligent path optimization with brand-new algorithm.
- Smart vibration control.
- Torque protection of dual drives.
- DA correction of air pressure.



## Brand-new Aluminum Beam

- The new fifth-generation 6-series aluminum beam has 20% less weight and 15% more torsional resistance than the previous generation. Lightweight design beams play a high dynamic performance of the equipment to improve processing efficiency.

## Bus-based Laser Cutting Heads

- HSG developed and launched multiple high-power bus cutting heads ranging from 10kW to 40kW to achieve stable cutting of thick sheets.
- Optical filming to prevent lens pollution
- Real-time monitoring of laser focus
- Bus-based height adjusting system





## Heat Protection Without Heat Damage Fear

- Material waste device is made of high-density burn prohibition plates for further improving heat protection of the machine bed.



## High-precision Transmission System

- Selected professional speed reducers, high-precision racks, guide rails and other accessories construct entire high-accuracy transmission system to ensure stable operations in long time.



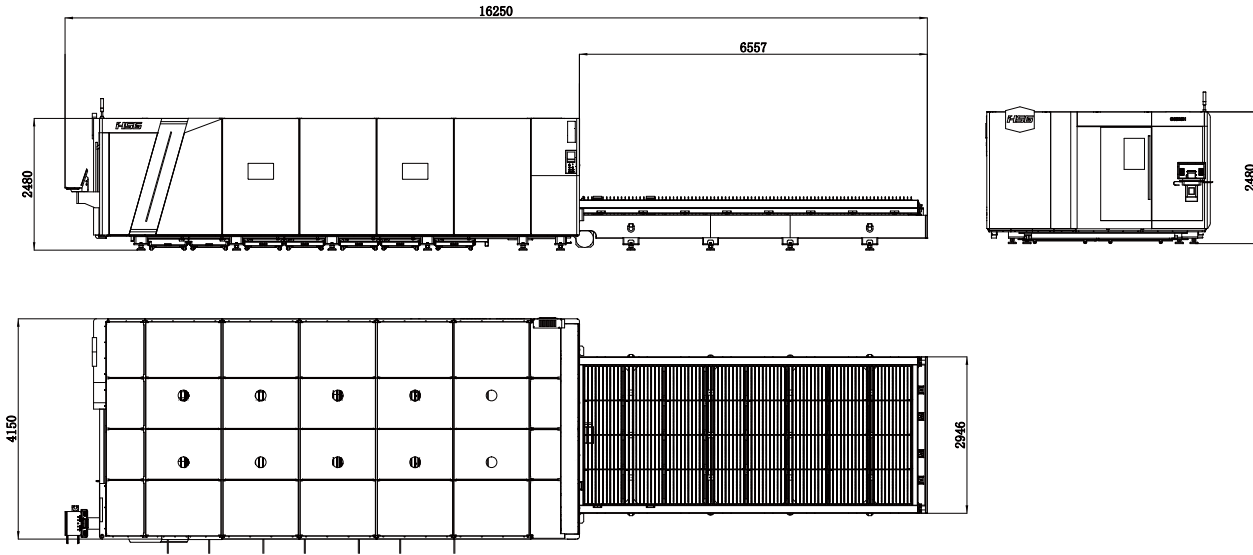
## Upgraded Matrix Machine Bed with Level-up Rigidity

- Brand-new matrix machine and welding design of the cross-section improve the rigidity of entire machine bed structure significantly and decrease the negative influence on machine bed.



# Machine Foundation

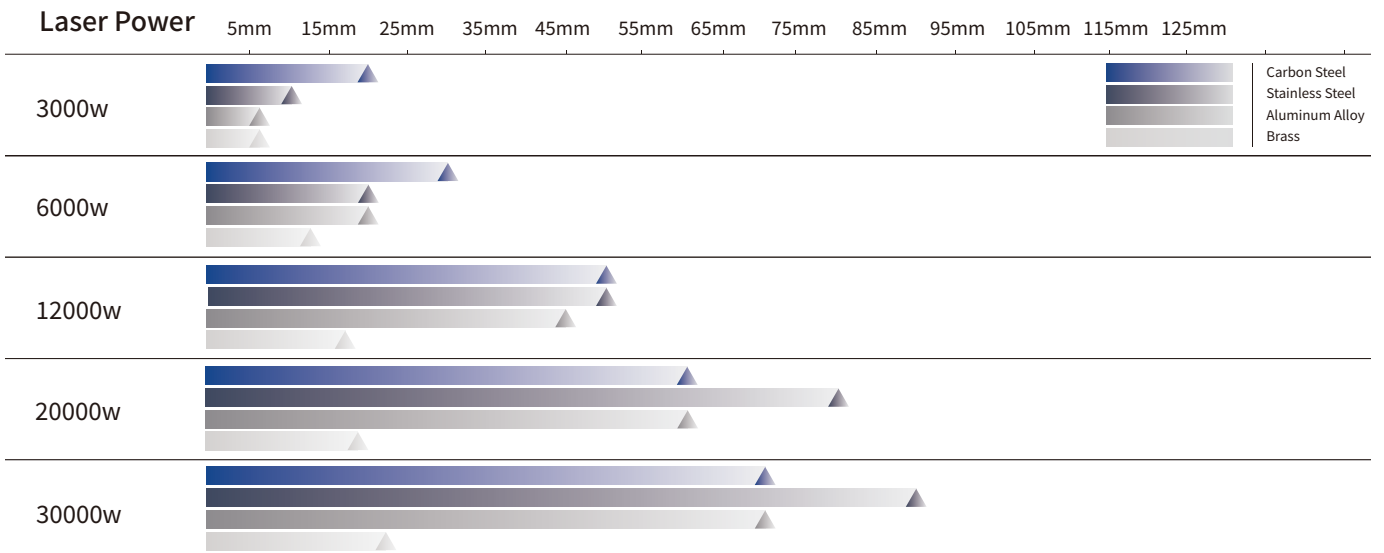
\*The marked size has about 10mm error  
\*Model: G6025H



## Cutting Samples



## Cutting Capacity



The actual machines shall prevail and above data & pictures are only for reference.



## Intelligent Manufacturing Changes Future



**As a global enterprise, HSG sticks to providing professional and convenient service support to customers at home and board**



### Professional Training

Multiple technical training service and free operation training for customers and dealers in time



### Efficient Support

Humanistic service model, online services and 7\*24 hotline to offer solutions and assistance



### Optimized Transport

Multi-channel transport solutions and professional transport solution team will provide various transport cases for to satisfy the demand of customers and save transports fees



### Sufficient Accessories

Highly efficient accessories delivery service, multiple network inventory jointly responds to accessories demand to shorten customer's waiting times and accelerate production



### Careful Services

Domestic door-to-door service and free proofing, global 100+dealers provide efficient and convenient services



Intelligent Manufacturing Changes Future



Website



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