



Cutting | Bending | Welding | Automation

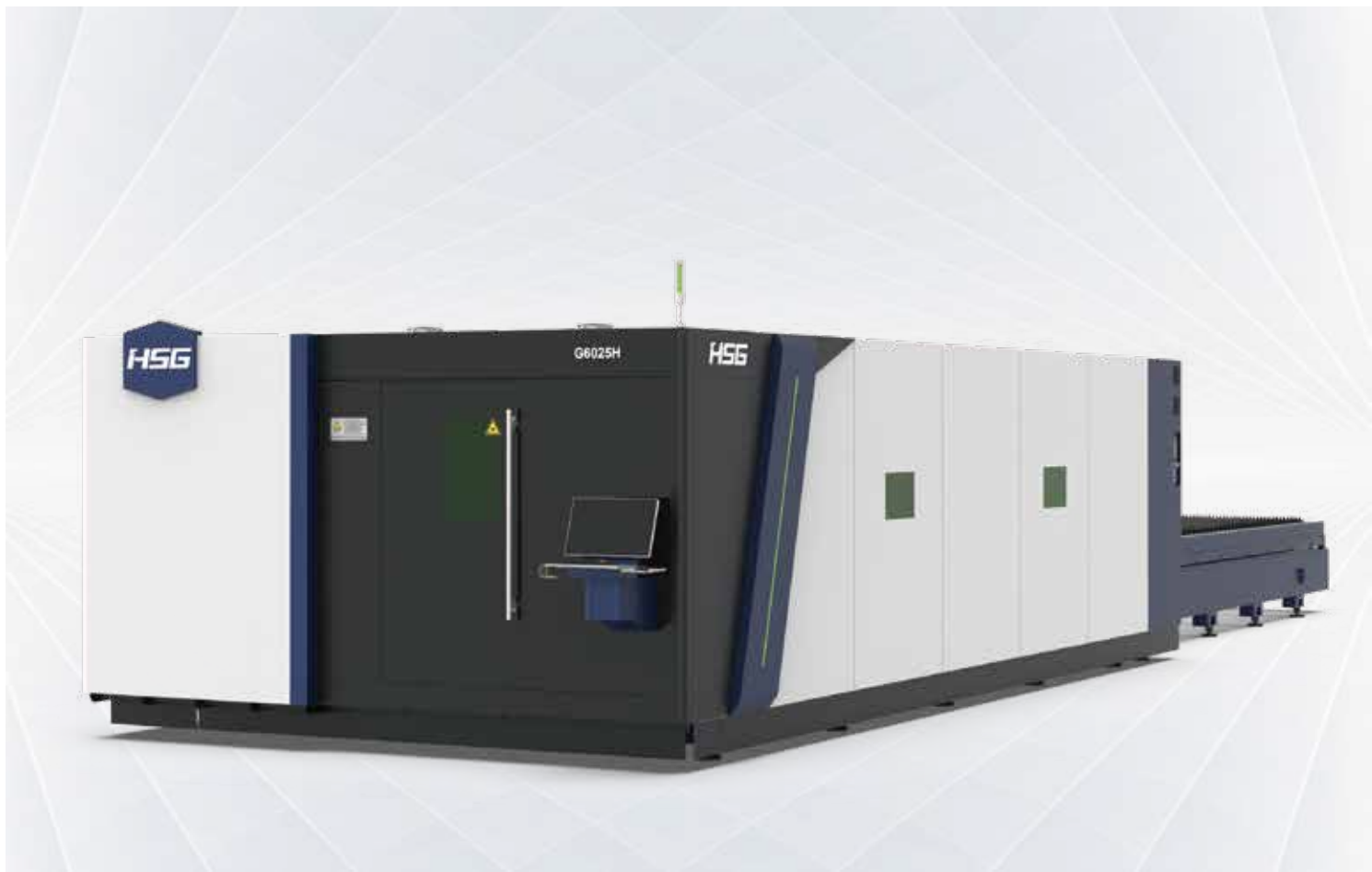


GH

✦ High-performance Laser Cutting Machine ✦

GH 3kW - 30kW

High-performance Laser Cutting Machine



Technical Parameters

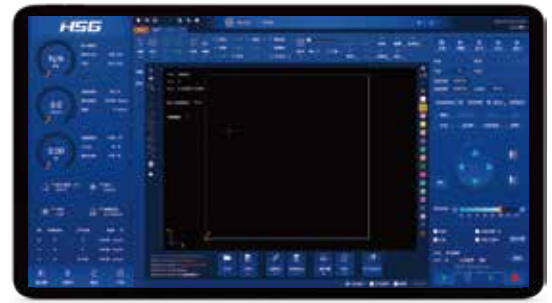
Technical Parameters	G3015H	G4020H	G6025H	G8025H	G12025H
Resonator Power	3000W-30000W	3000W-30000W	6000W-30000W	12000W-30000W	12000W-30000W
Max. Sheet Size	5 x 10'	6.7 x 13'	8.3 x 20'	8.3 x 26.6'	8.3 x 41'
X/Y-axis positioning/repositioning accuracy	±0.0012 IPM	±0.0012 IPM	±0.0012 IPM	±0.0012 IPM	±0.0012 IPM
Max. Positioning Speed	7874 IPM	7874 IPM	7874 IPM	7874 IPM	7874 IPM
Travels (X,Y)	60 x 120"	80 x 160"	100 x 240"	100 x 320"	100 x 492"
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

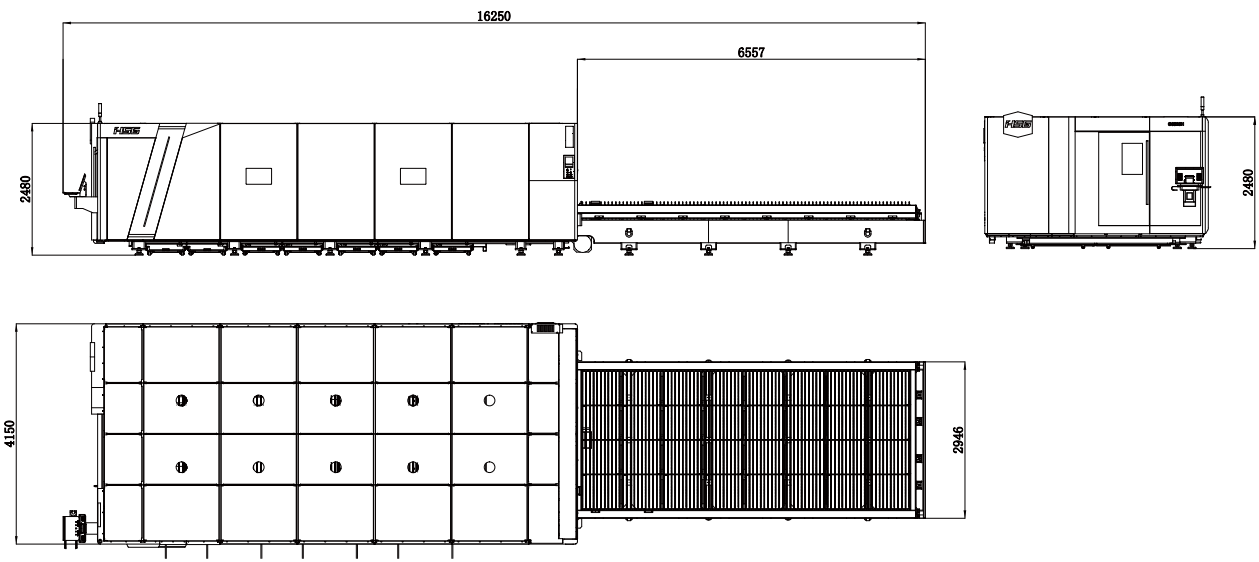
- Brand-new matrix machine and welding design of the cross-section improve the rigidity of entire machine bed structure significantly and decrease the negative influence on machine bed.





Machine Foundation

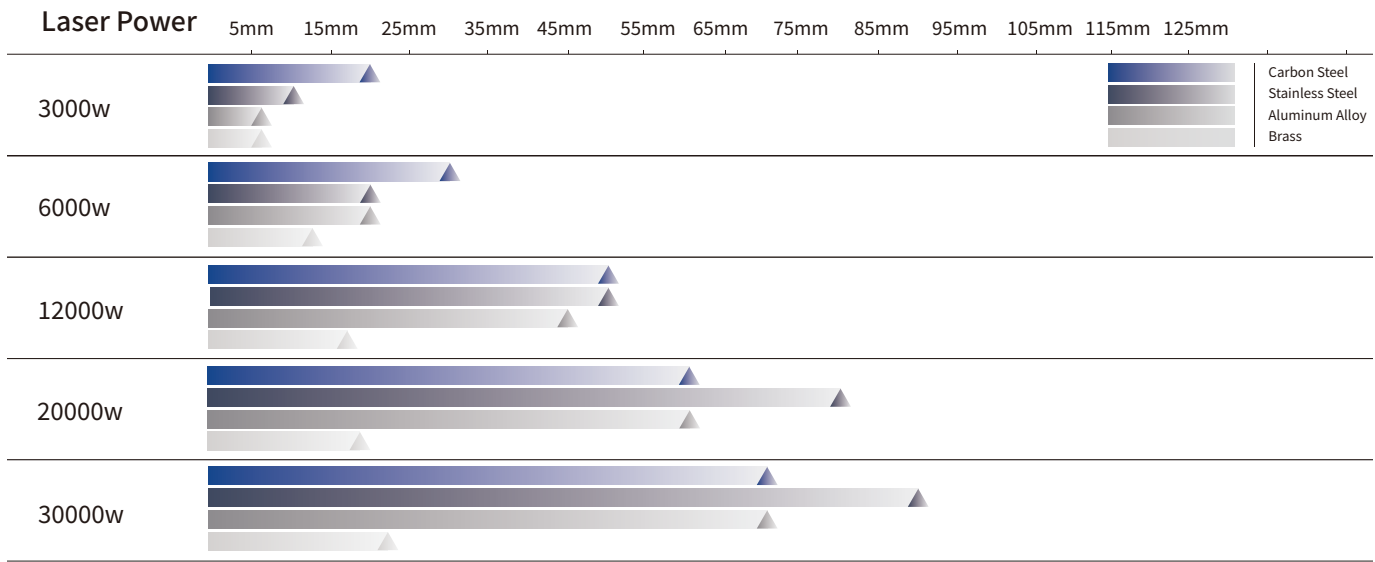
*The marked size has about 10mm error
*Model: G6025H



Cutting Samples



Cutting Capacity



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