



Cutting | Bending | Welding | Automation



GFA

✦ High-power Large-format 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



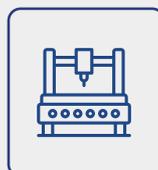
5

Manufacturing Bases



30+

Global Service Centers



8,000+

Annual Capability



135,000m²

Occupied Area



GFA 12000-60000W

High-power Large-format Laser Cutting Machine



Technical Parameters

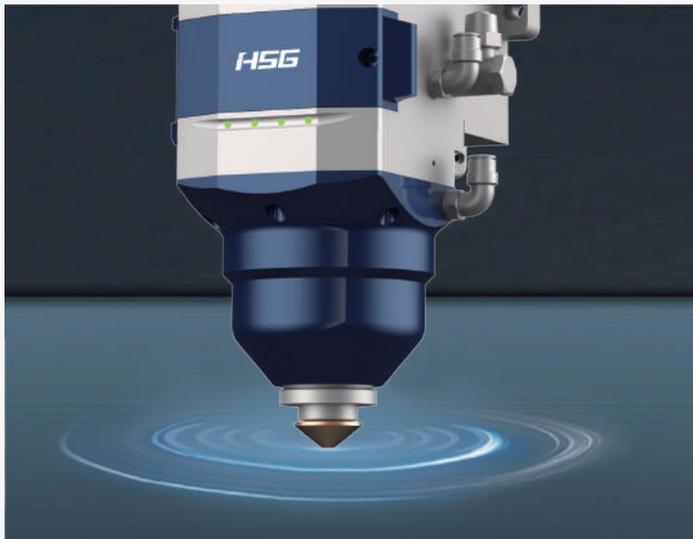
Technical Parameters	G12025FA	G12035FA
Power	12000W-60000W	12000W-60000W
Processing format (L*W)	12100*2500mm	12100*3500mm
X/Y-axis positioning accuracy	±0.05mm/m	±0.05mm/m
X/Y-axis repositioning accuracy	±0.05mm	±0.05mm
Max. Linkage Speed	80m/min	60m/min
Max. Linkage Acceleration	0.5G	0.5G
Optional Length	16m/20m/26m	
Optional Bevel Cutting	12000-30000W	

* 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.



HSG Bus-based Control System

- EtherCAT bus high-speed response with strong anti-interference capability and simple electrical maintenance.
- Support absolute value and continue in outage and at the break-point for convenient remote diagnosis and servo adjustment.
- Automatic management of machine maintenance, core components are monitored in real time for easy and maintenance reminded on a regular basis.



Bus Follow-up Response Technology

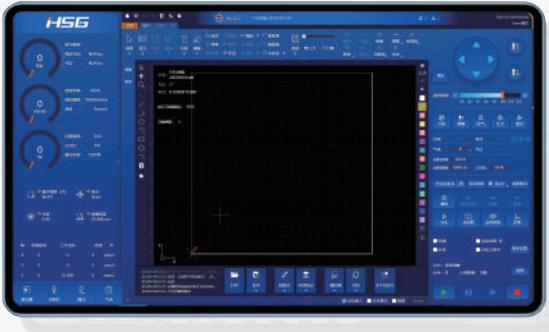
- High sensitivity detection of striker plate.
- High speed follow of vibrating sheet.
- Automatic obstacle avoidance.



Segmented Splicing Machine Bed

- The machine bed is made of several sections and allows to be customized as needed for infinite splicing machine beds.
- Cutting large-format sheet will be easily handled.



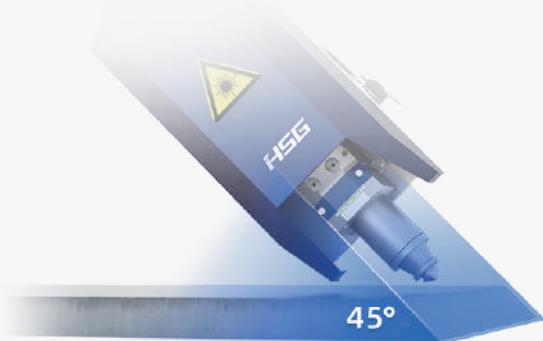
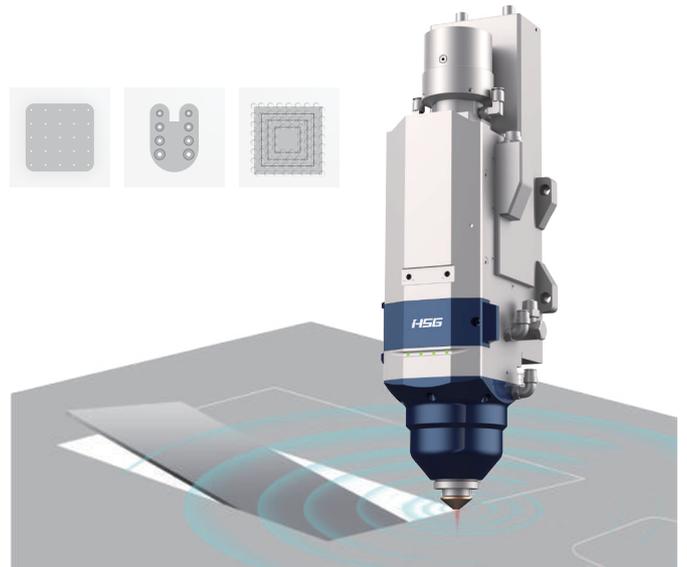


Professional Nesting Software with Standard Configuration

- High nesting utilization ratio as famous nesting software.
- Simple operation with drawing function and support manual and automatic nesting.
- Support different materials and thicknesses categorized typesetting.
- Excel batch import.

Production Process Database

- Users can invoke cutting technology from the database when cutting sheet of different materials and thickness.
- Fly cutting of thin sheet.
- Edge searching for round disc.
- Nano microjoining.

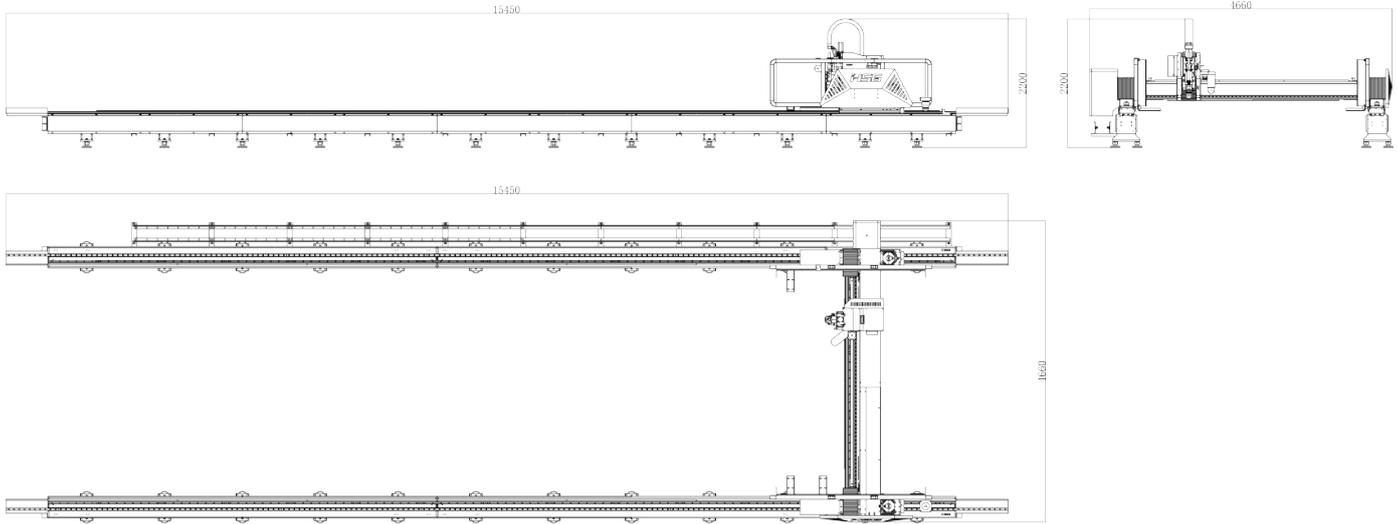


Process Various Types of Bevels (Available: BEVEL GFA)

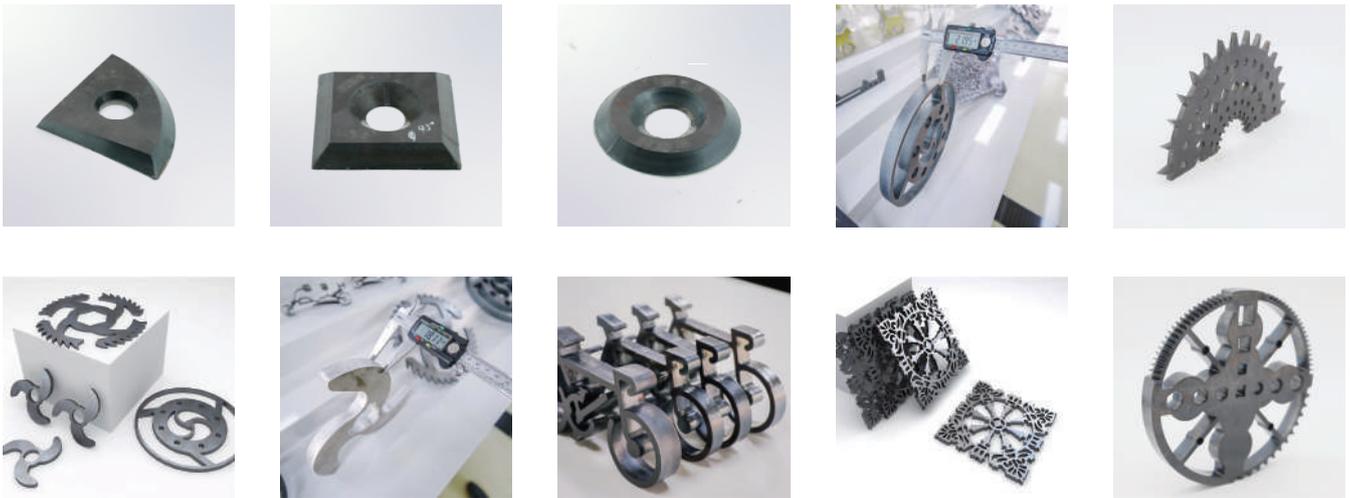
- P series cutting head with AlphaT bus system can realize 0-45° bevel cutting, including V bevels, X bevels, Y bevels etc.

Machine Foundation

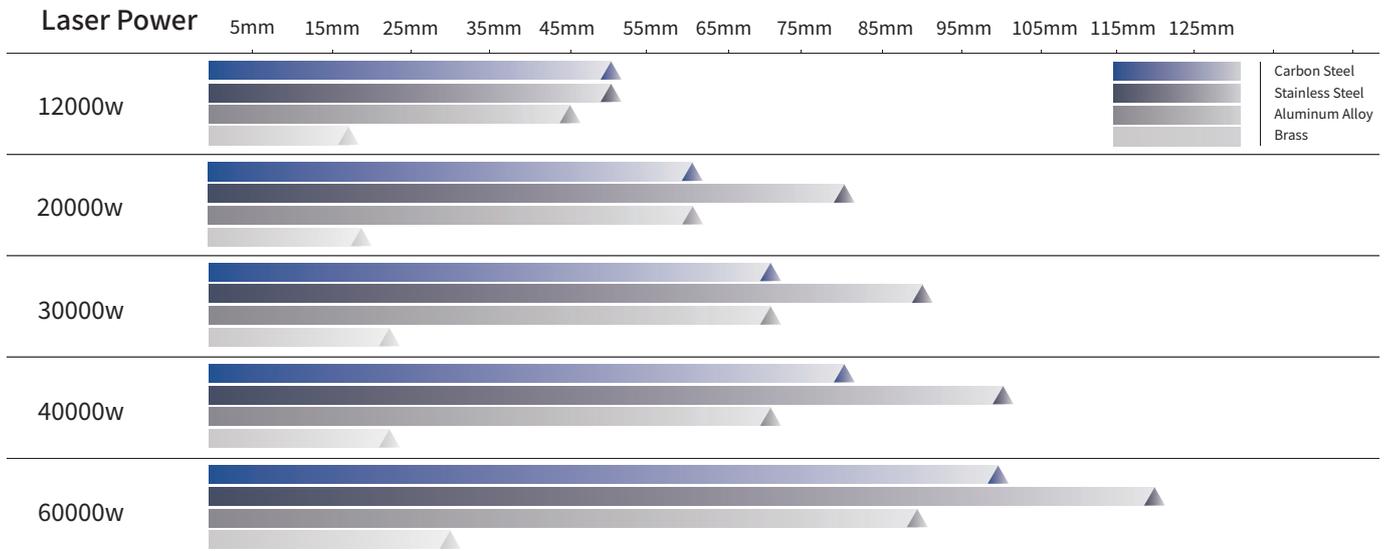
*The marked size has about 10mm error
 *Pictures of G12025F are for reference only and subject to actual dimensions.



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 services and free operation training are provided for customers and dealers in a timely manner.



Efficient Support

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



Optimized Transport

Multi-channel transport solutions and a professional transport solution team providing various transport cases to satisfy the demand of customers and save transportation fees.



Sufficient Accessories

Highly efficient accessory delivery service; multiple network inventories jointly respond to accessory demand, shortening customers' waiting times and accelerating production.



Careful Services

Domestic door-to-door service and free proofing, with over 100+ dealers providing efficient and convenient services.



Intelligent Manufacturing Changes Future



Website



Facebook



Youtube

Headquarters Add.: No. 4, Anye Road, Shunjiang Community Industrial Park,
Beijiao Town, Shunde District, Foshan, Guangdong, China
Website: www.hsglaser.com
Email: info@hsglaser.com
Tel: +86 757-66833906