



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

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HSG
Shape Metal, Shape Trust



Website



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GFA

High-power Large-format Laser Cutting Machine

www.hsglaser.com

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Company Culture

- SLOGAN**
Shape Metal, Shape Trust
- MISSION**
To support the high-speed growth of our customers
- VISION**
To be a world-leading provider of metal shaping equipments & comprehensive solutions

Company Profile

- 19**
Global Branches
- 100+**
Countries Covered
- 5**
Manufacturing Bases
- 8,000+**
Annual Capability
- 30+**
Global Service Centers
- 135,000m²**
Occupied Area

GFA12000-60000W

High-power Large-format Laser Cutting Machine



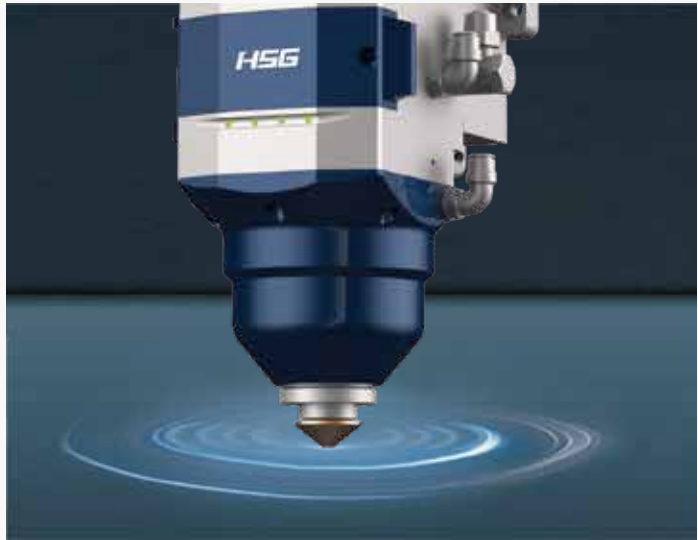
Technical Parameters

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/26m	
Optional Bevel Cutting	12000-40000W	

* 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.

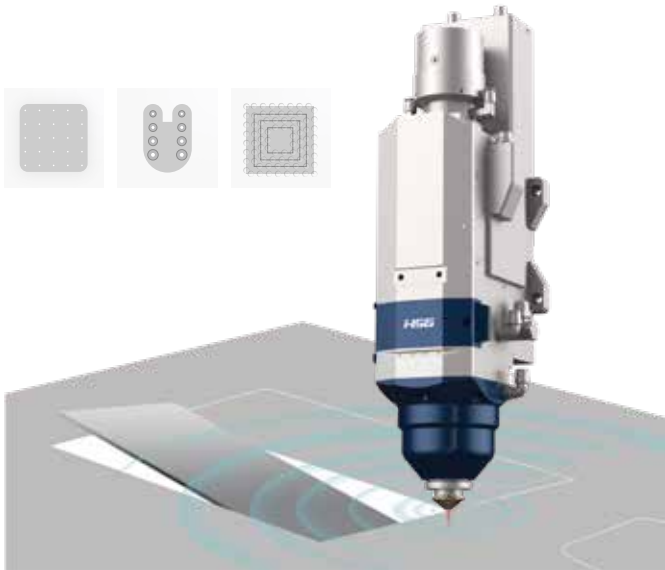


Professional Nesting Software with Standard Configuration

- 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.



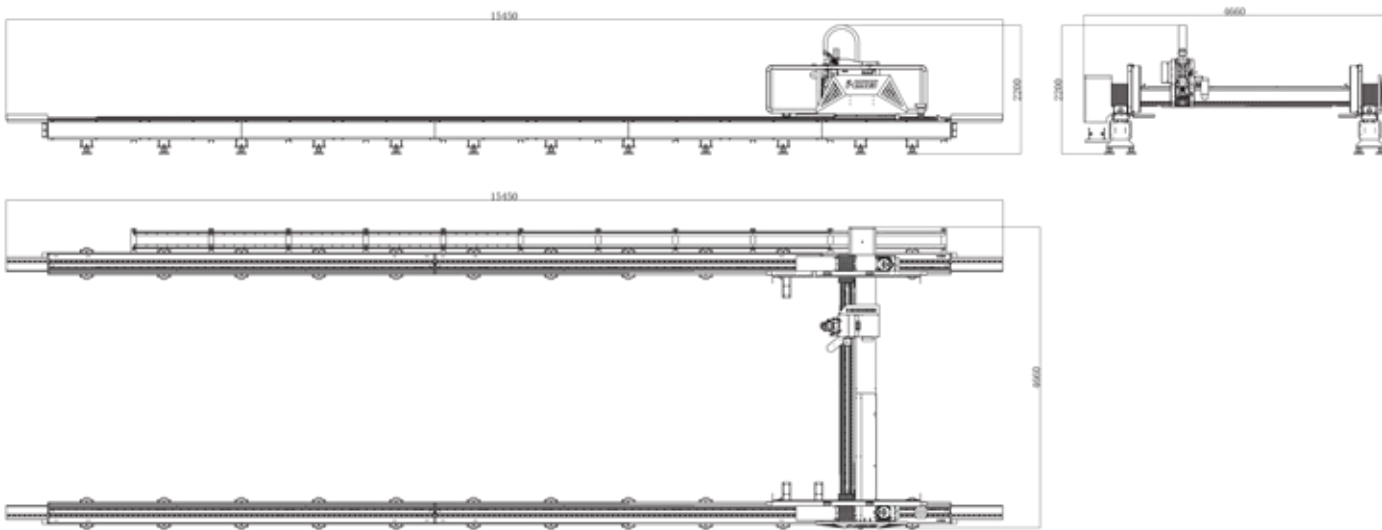
Process Various Types of Bevels (Available: BEVEL GFA)

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

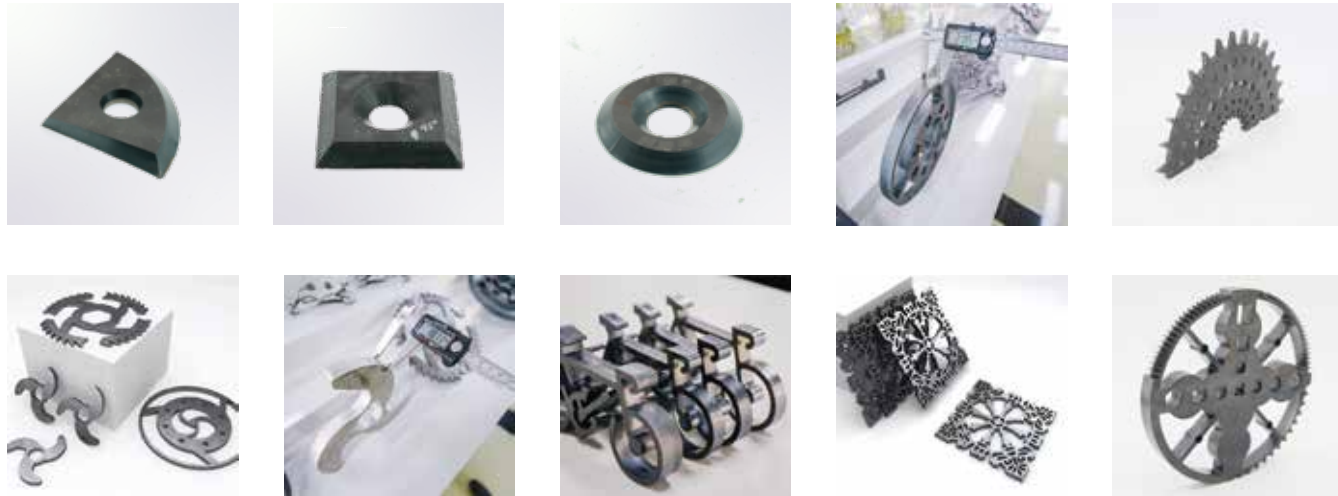


Machine Foundation

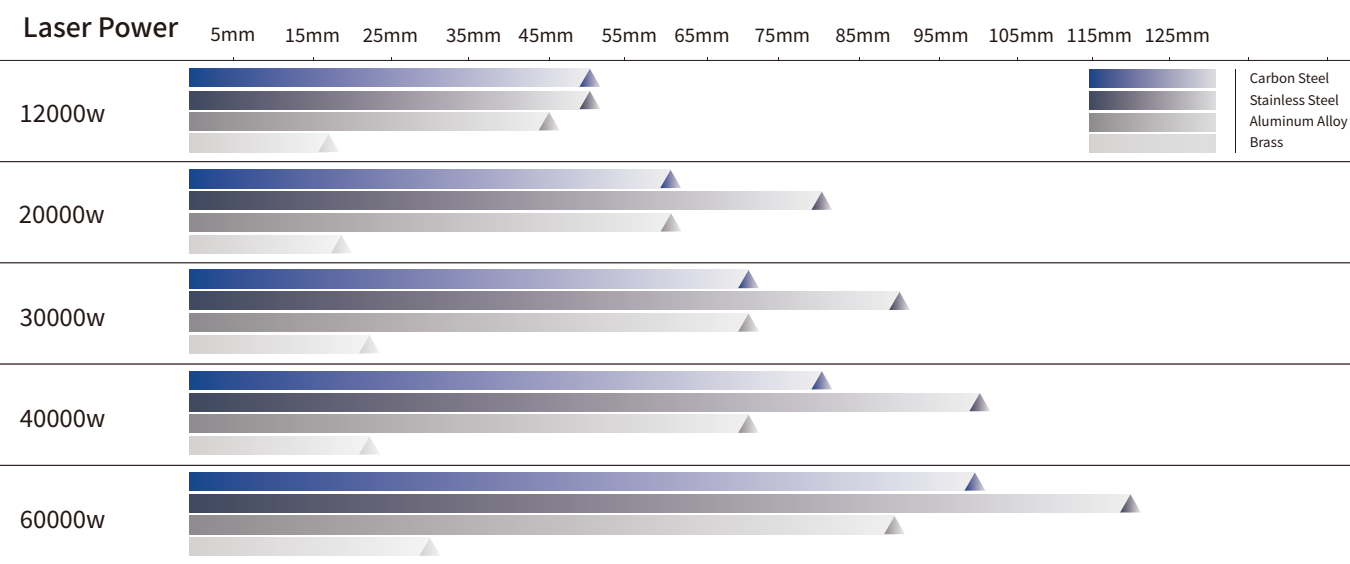
*The marked size has about 10mm error
*Pictures of G12025F are for reference only and subject to actual dimensions.



Cutting Samples



Cutting Capacity



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