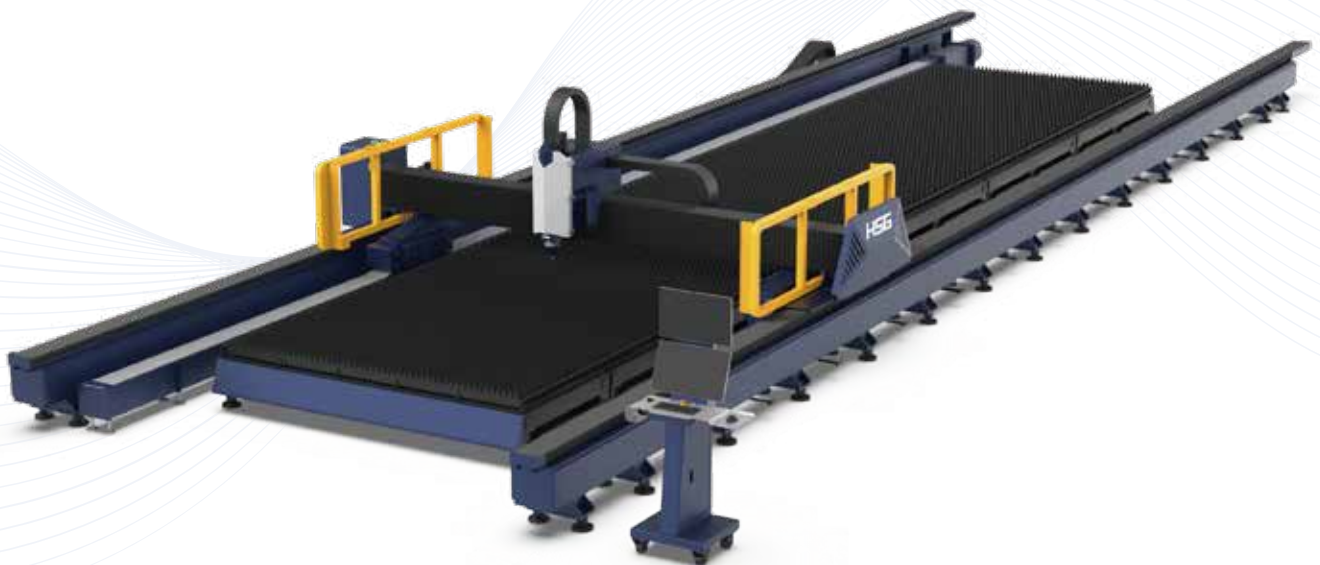




Cutting | Bending | Welding | Automation



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



13

Global Branches



100+

Countries Covered



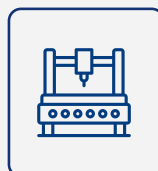
4

Manufacturing Bases



30+

Global Service Outlets



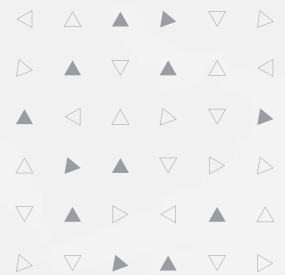
8,000+

Delivery Capability



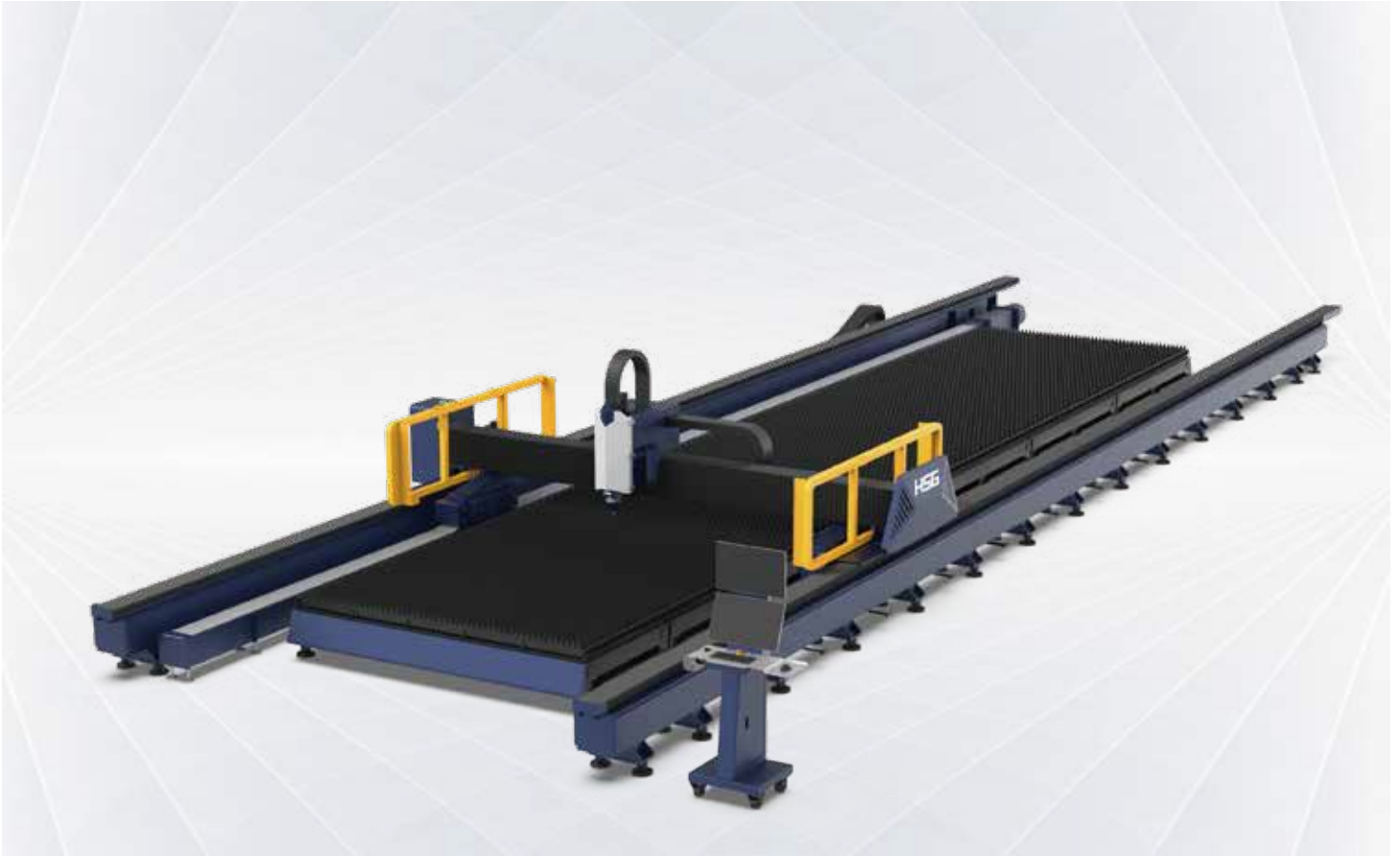
96,000m²

Occupied Area



GFA 12000-60000W

High-power Large-format Laser Cutting Machine



Technical Parameters

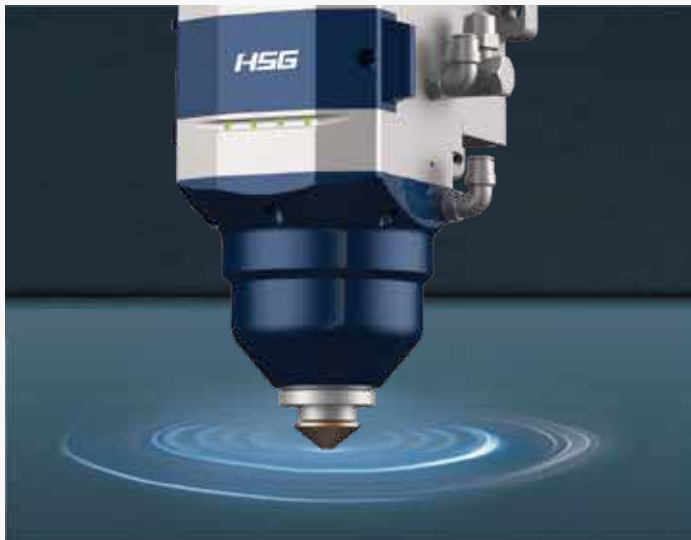
Technical Parameters	G12025FA	G12035FA	Bevel-G12025FA	Bevel-G12035FA
Power	12000W-60000W	12000W-60000W	12000W-60000W	12000W-60000W
Processing format (L*W)	12100×2500mm	12100×3500mm	12100×2500mm	12100×3500mm
X/Y-axis positioning accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m	±0.05mm/m
X/Y-axis repositioning accuracy	±0.05mm	±0.05mm	±0.05mm	±0.05mm
No-load speed	80m/min	60m/min	80m/min	60m/min
Acceleration	0.5G	0.5G	0.5G	0.5G
Beveling Cutting Or Not			GFA (×) BEVEL-GFA (√)	

* 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.



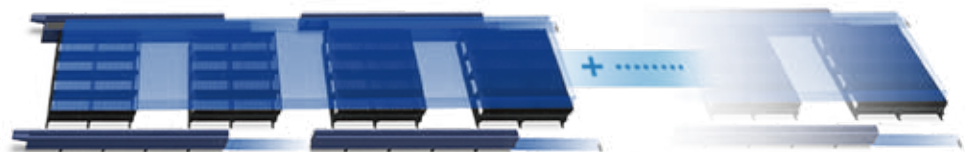
Bus Follow-up Response Technology

- 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.



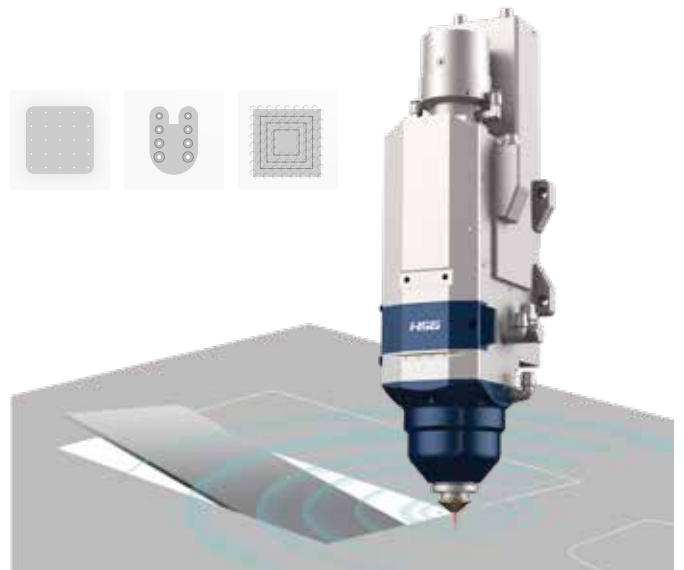


Professional Nesting Software with Standard Configuration

- 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.



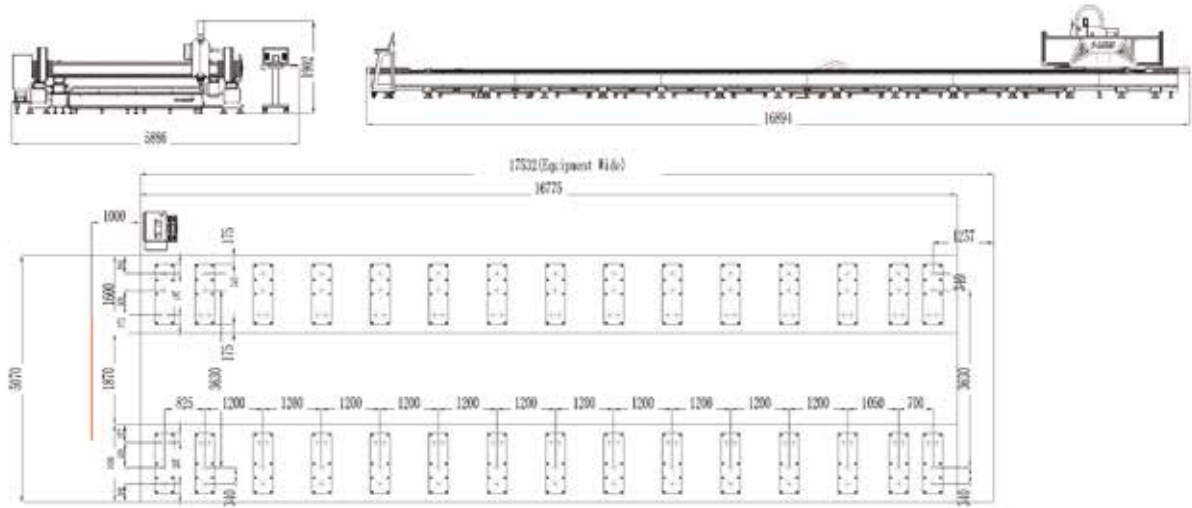
Process Various Types of Bevels (Available: BEVEL GFA)

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

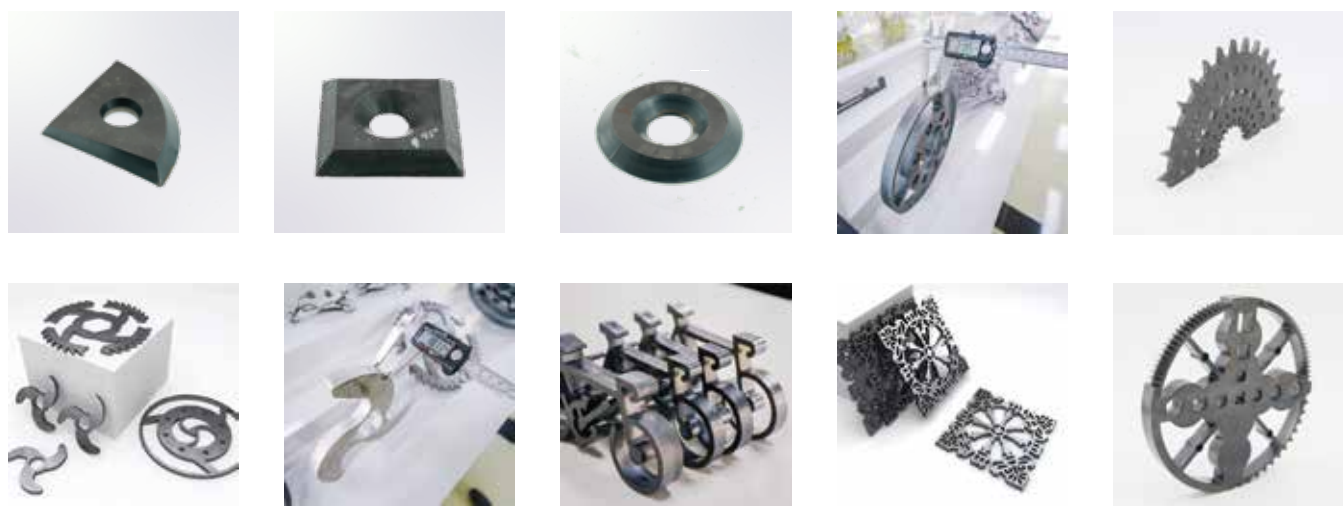


Machine Foundation

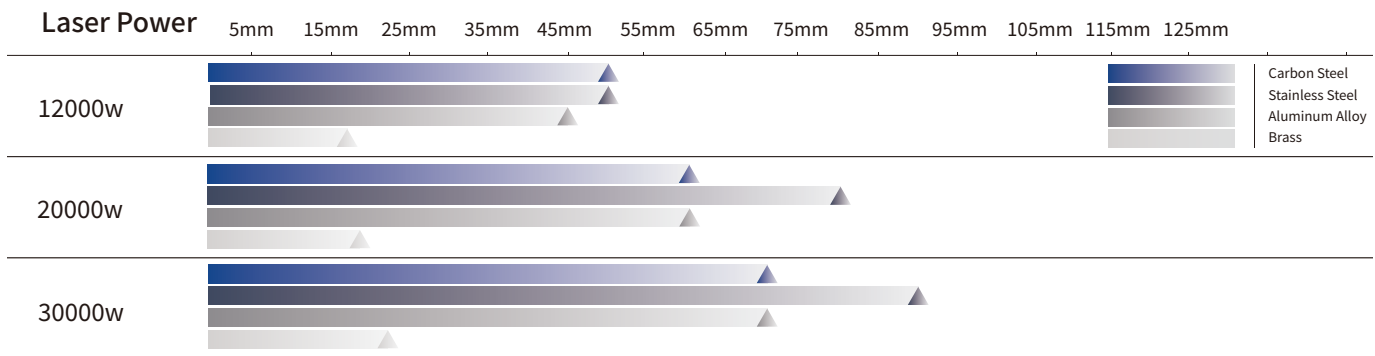
*The marked size has about 10mm error
 *Pictures of G13025F are for reference only and subject to actual dimensions.



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 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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Youtube

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