



Cutting | Bending | Welding | Automation



# GFA/BEVEL-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**

13 branches/subsidiaries/  
sub-subsidiaries across the world



**100+**

Serve 100+countries and  
regions



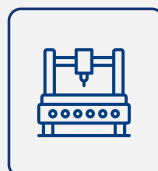
**4**

Manufacturing Bases in  
China



**30+**

Global service outlets

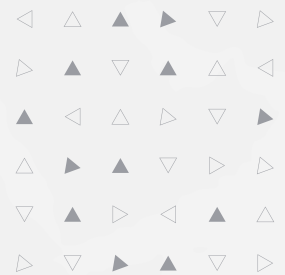


**8000+**Sets  
of Annual Output



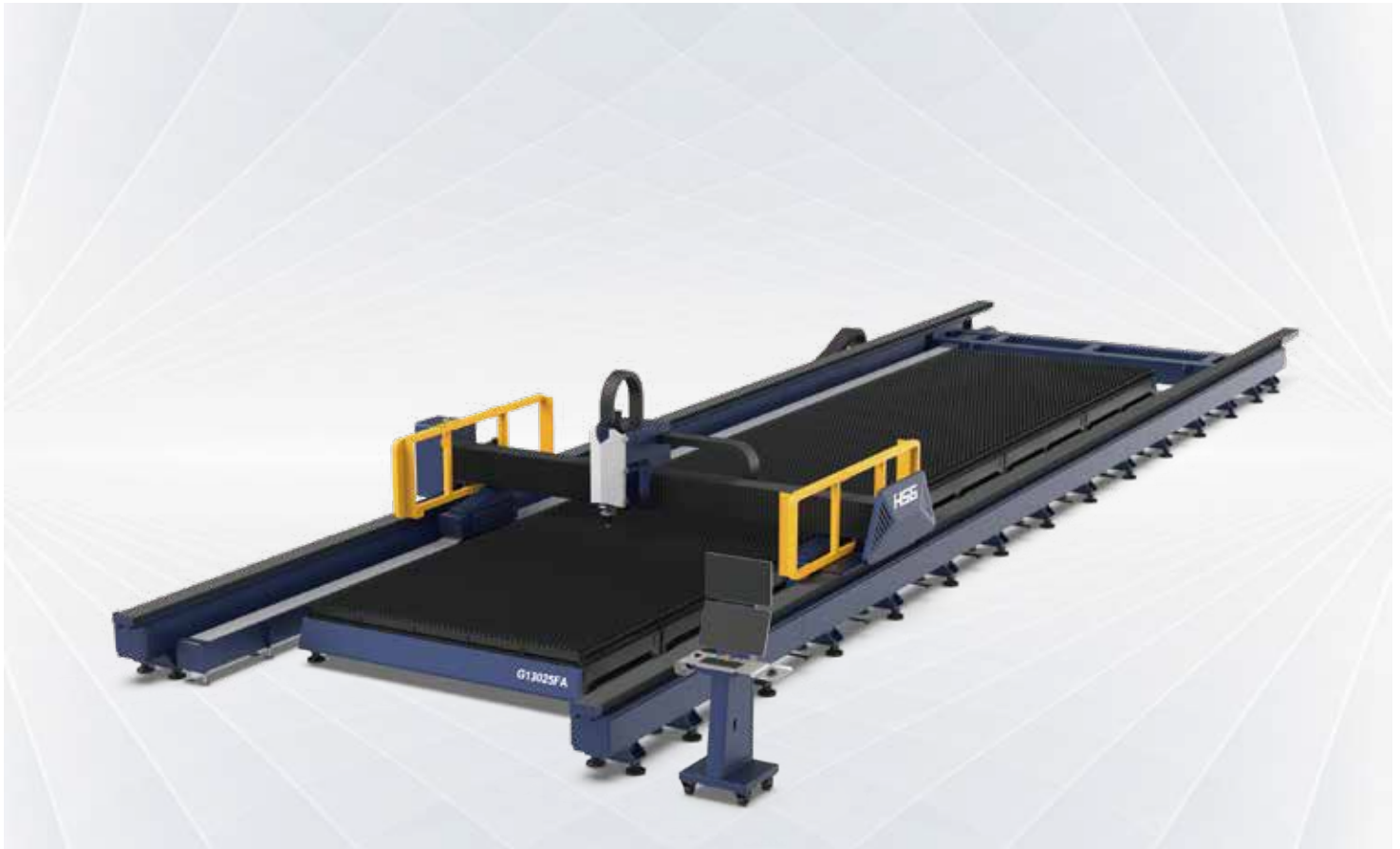
**96000m<sup>2</sup>**

Occupied Area



# GFA/BEVEL-GFA 12000-30000W

## High-power Large-format Laser Cutting Machine



### Technical Parameters

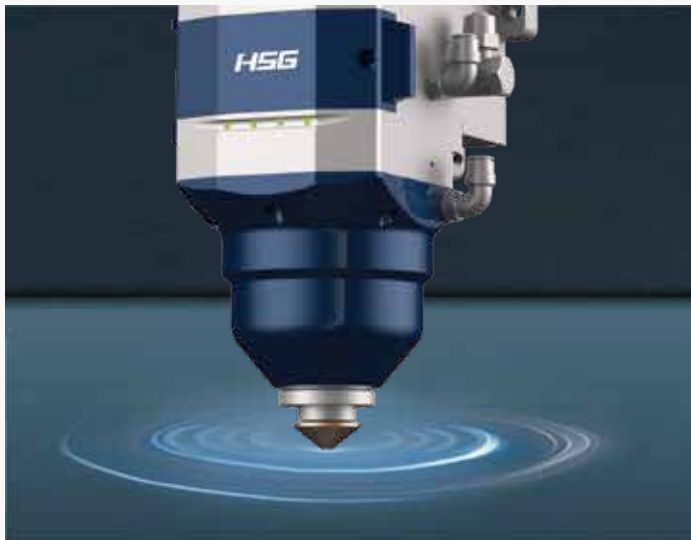
Technical Parameters	G12025FA	G12035FA	Bevel-G12025FA	Bevel-G12035FA
Power	12000W-30000W	12000W-30000W	12000W-30000W	12000W-30000W
Processing format (L*W)	12100×2500mm(39.69'*8.2')	12100×3500mm(39.69'*11.48')	12100×2500mm(39.69'*8.2')	12100×3500mm(39.69'*11.48')
X/Y-axis positioning accuracy	±0.05mm/m(±0.0019")			
X/Y-axis repositioning accuracy	±0.05mm(±0.0019")			
No-load speed	80m/min	60m/min	80m/min	60m/min
Acceleration	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.



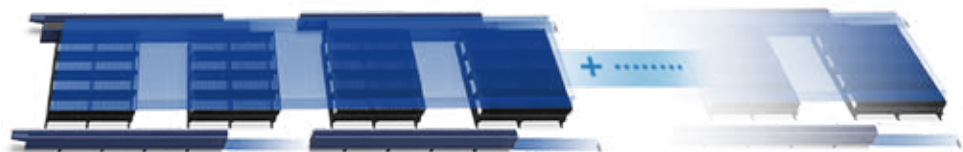
## Bus Follow-up Response Technology

- 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.



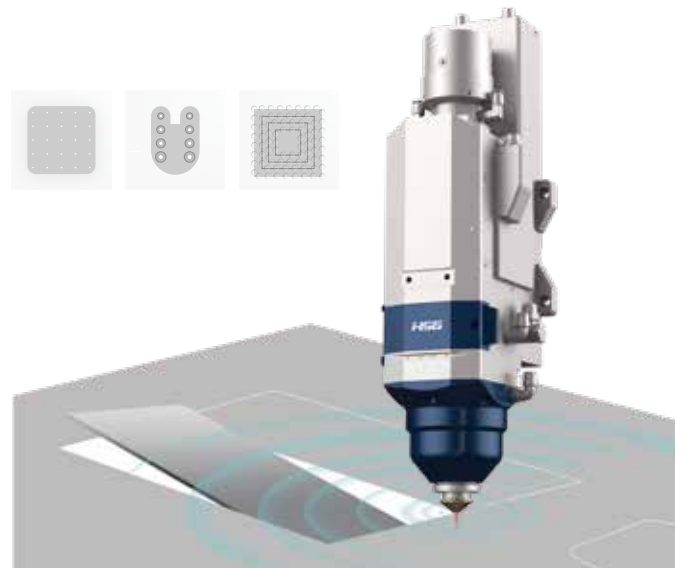


## Professional Nesting Software with Standard Configuration

- 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.



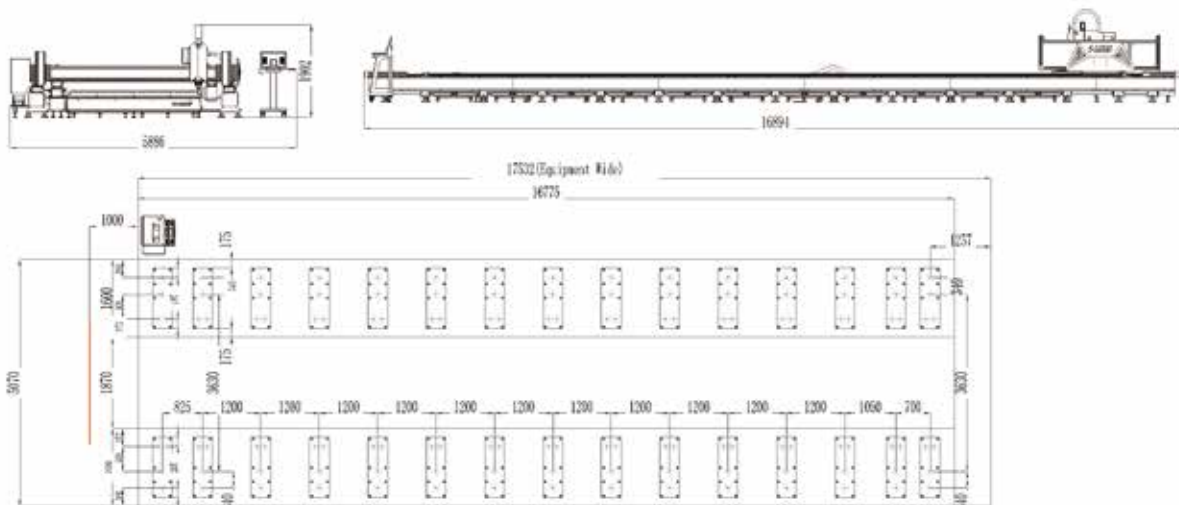
## Process Various Types of Bevels (Available: BEVEL GFA)

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

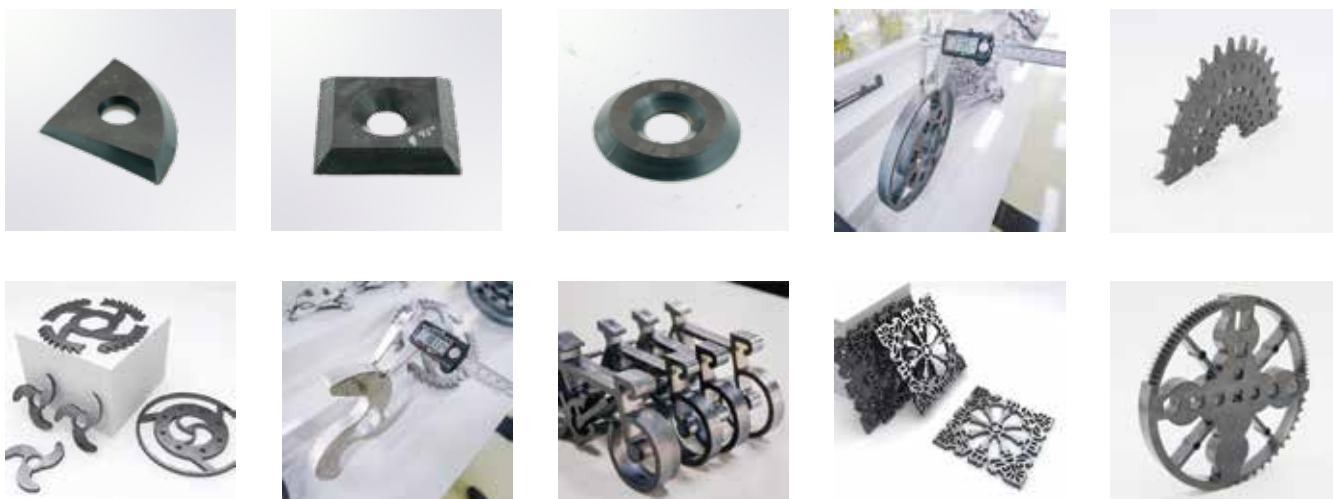


## Machine Foundation

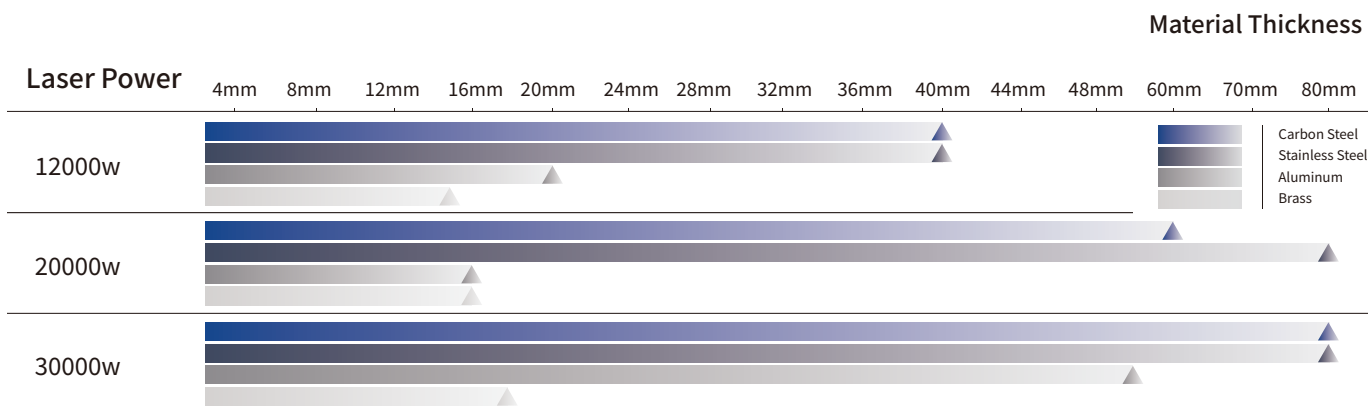
\*The marked size has about 10mm error  
 \*Pictures of G13025F are for reference only and subject to actual dimensions.



## 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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