



Cutting | Bending | Welding | Automation



# GX Pro

✦ High-power 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



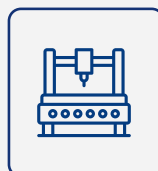
**4**

Manufacturing Bases in  
China



**30+**

Global service outlets

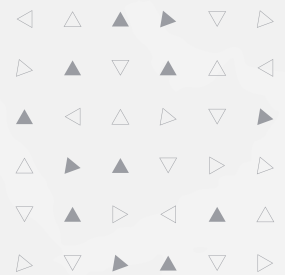


**8000+**Sets  
of Annual Output



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

Occupied Area



# GX Pro 3000-30000W

## High-power Laser Cutting Machine



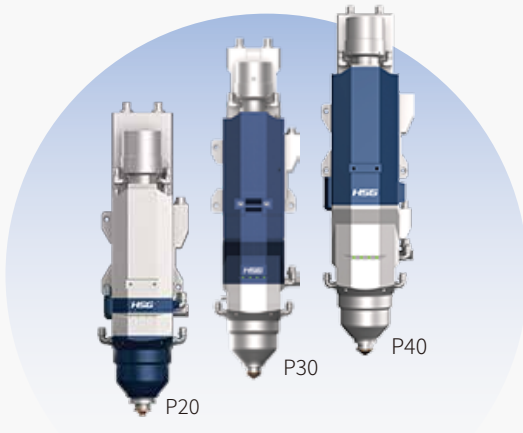
## Technical Parameters

Technical Parameters	G3015XPRO	G4020XPRO
Power	12000W-30000W	3000W-30000W
Processing format (L*W)	3048mm*1524mm(5'*10')	4064mm*2032mm(5'*10')
X/Y-axis positioning accuracy	$\pm 0.03\text{mm/m}(\pm 0.00118'')$	
X/Y-axis repositioning accuracy	$\pm 0.03\text{mm}(\pm 0.00118'')$	
No-load speed	140m/min	
Acceleration	1.5G	
Optional	TUV CE	

\* 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.

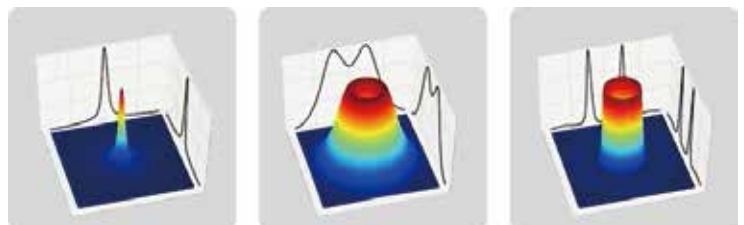


## P Series Bus-based Laser Cutting Heads

- HSG Japanese subsidiary has developed multiple high-power bus laser cutting heads that ranges from 10kW to 40kW based on its study on interaction between metal materials and laser. With that, thick sheets can be cut stably in batch.
- Optical filming to prevent lens pollution.

## Thick Sheet Cutting Techniques

- Real-time monitoring of laser focus.
- Bus-based height adjusting system.
- Laser path reshaping technology.



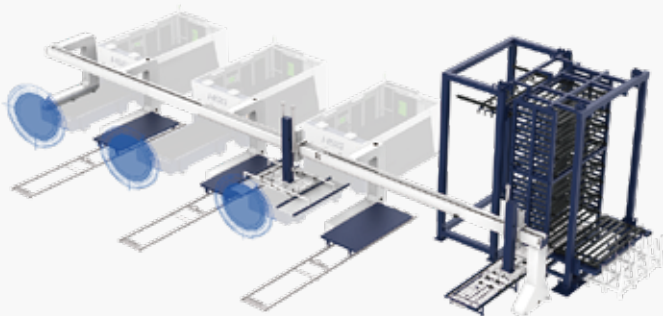


## Professional Nesting Software with Standard Configuration

- 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.

## Support Graphics and G Code Software

- By code conversion software, HSG system can support other brand equipment for super high compatibility.



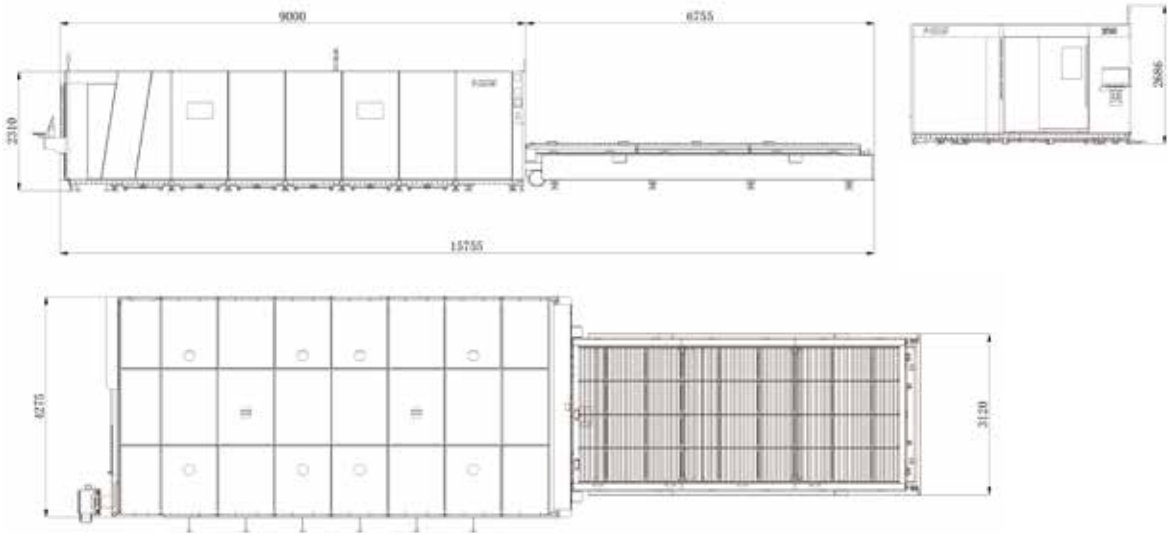
## Smart Factory and Standard Central Control System Interface Intelligent management

- Support data gateway and Modbus/OPCUA etc, set up interface with ERP and MES systems to form digital processing management and achieve intelligent manufacturing.
- Integrate with material tower and automatic loading and unloading equipment to create automatic production lines.
- Intelligent system to form production report by one click.



## Machine Foundation

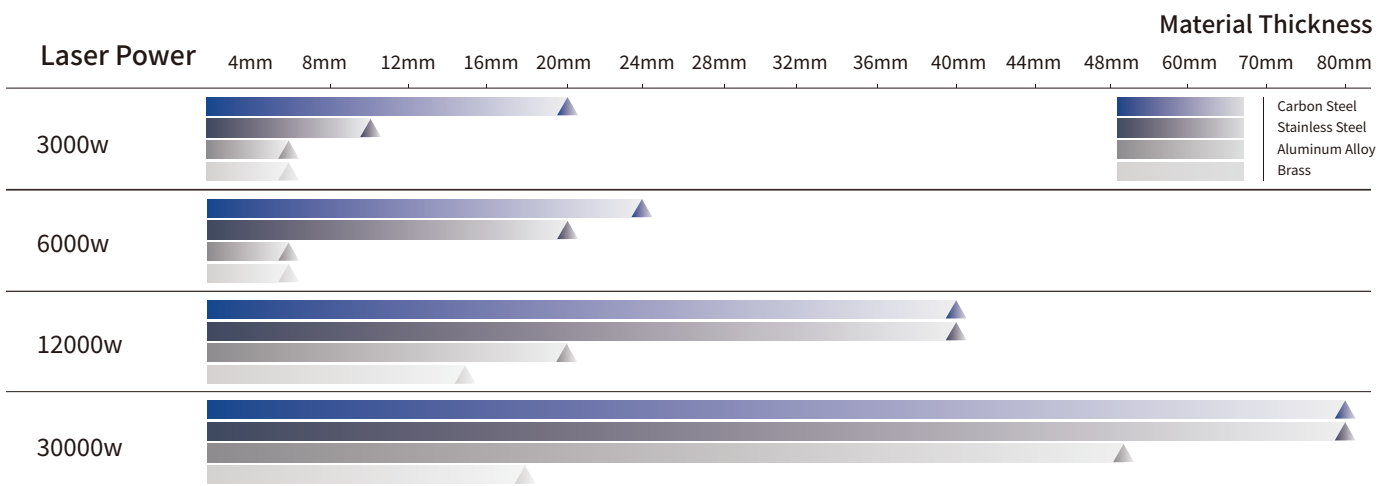
\*The marked size has about 10mm error  
 \*Pictures of G6025X Pro are for reference only and subject to actual dimensions.



## 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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