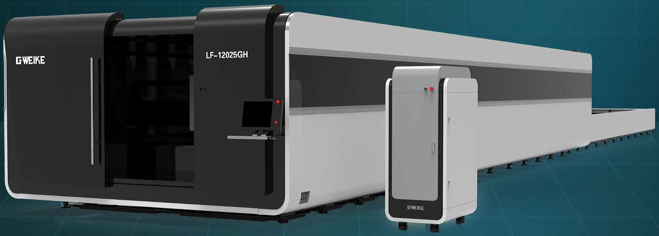
# GH SERIES/20000W

## LF12025GH HIGH-POWER FULL-ENCIRCLED SWITCHBOARD FIBER LASER CUTTING MACHINE



## Autofocus Laser Cutting Head

### Without Manual Focusing

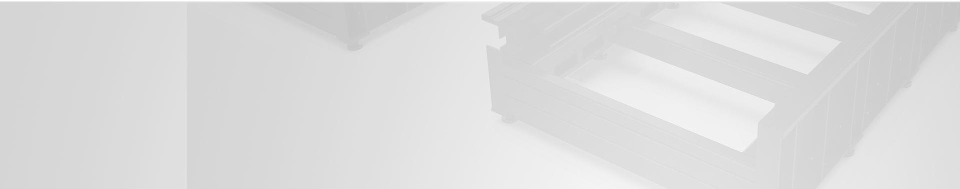
The software automatically adjusts the focusing lens to realize automatic perforating and cutting plates of different thickness. The speed of automatically adjusting focus lens is ten times of the manual adjusting.

### Bigger Adjustment Range

Adjustment range -10 mm~ +10mm, precision 0.01mm, suitable for 0 ~ 20mm different types of plates.

### Long Service Life

Collimator lens and focus lens both have water-cooling heat sink which reduces the temperature of the cutting head to improve the life of the cutting head.



## Super heavy welded bed

It is welded by heavy steel plate, the current mainstream bed structure, high stability;
Effect force annealing treatment, high mechanical strength, not easy to deform;
Reinforcing ribs are arranged inside the bed to increase the strength and tensile resistance of the bed, and effectively avoid deformation of the bed;
The weight of the bed, the small vibration of the machine, and the good shock resistance ensure the improvement of cutting accuracy.

IPG
20000
YLS
IPG PHOTONICS

## 20000W IPG Fiber Lasers Source

**World Famous Brand**

GWEIKE laser cutting machine YLS-CUT series high power fiber laser of IPG.Powerful cutting ability with stainless stell,aluminum and other metal materials,cutting thickness is up tu 40mm.

**Long Service life**

The world leading IPG laser has stable performance, the service life can reach 100000 hours, and the overall quality of the equipment can be guaranteed safely.

**Stable Cutting Performance**

Fiber laser source can produce excellent beam quality, finer cutting lines, higher working efficiency and better machining quality.Fully closed constant temperature working environment makes laser source more effective to ensure the stable operation.

## 12M Full-page Thick Plate Cutting: Fast, Stable And High Quality

Gweike laser large format equipment includes 12025G (12m*2.5m), 10025G (10m*2.5m)
The overweight bed process meets the diverse needs of the global market for large sheet metal cutting
High-end, high-precision, high-speed, high-format and cost-effective.

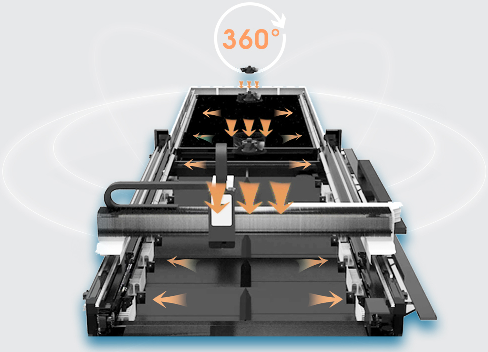
G.WEIKE
LF-12025GH

G.WEIKE
G.WEIKE

## PAD design display

Apple pad design, vertical screen display, wide viewing angle, low power consumption, high resolution and high contrast.

The use of high-definition tempered glass, intelligent touch control and fast response speed make the screen more delicate and smooth, and the operation is smoother.

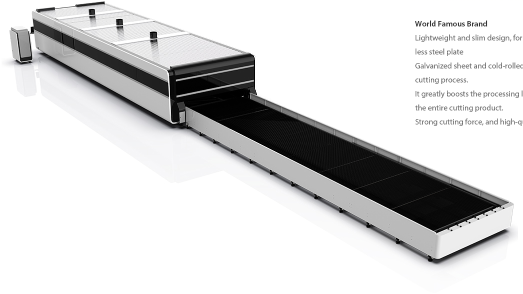


## SEGMENTED SMOKE EXHAUST-CREATE A SMOKELESS CLEAN WORLD

Full coverage, super suction
Adopt the latest cutting-edge tobacco control technology
Each section of the bed has a smoke exhaust device

Powerful negative pressure 360° adsorption
Axial fan wind direction surrounds blowing smoke downward
Full 360° strong adsorption and consistent smoke exhaust
Effectively purify the smoke and dust on the top of the enclosed cutting platform
Improve purification efficiency and reject lens contamination

Net follow-up, wisdom grows by quality
The smoke exhaust device automatically senses the laser cutting position
Turn on precise smoke exhaust, follow-up smart smoking
Create a concealed cavity, fully enclosed smoke control and clean smoke



## Exclusive craftsmanship

**World Famous Brand**

Lightweight and slim design, for 0.5mm-60mm carbon steel plate, 0.5-50mm stainless steel plate

Galvanized sheet and cold-rolled sheet realize non-inductive perforation and flexible cutting process.

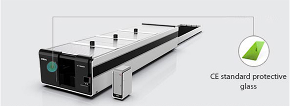
It greatly boosts the processing level, stability, accuracy, and production efficiency of the entire cutting product.

Strong cutting force, and high-quality beam quality and reliability.

## Machine Advantage

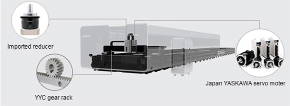
**Safe and pollution-free**

Fully enclosed design; the observation window adopts European CE standard protective glass; the smoke generated by cutting is internally filtered, and the emission is up to the standard, without pollution;



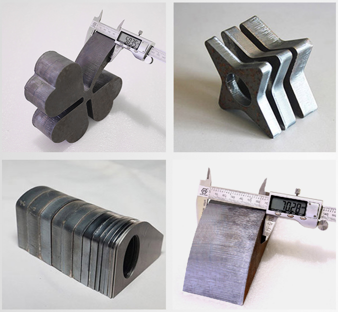
**Transmission and accuracy**

It adopts Japanese Yaskawa motor, Taiwan Shangyin rack, and French motor reducer. The positioning accuracy of the machine tool is 0.02.



**surveillance system**

During the processing, each blind spot area can be monitored at any time, and the cutting process can be controlled; the high-definition intelligent monitoring system, remote alarm operation is no danger.



## Industry Applications

LF12025GH is widely used in sheet metal processing, guardrail processing, chassis cabinets, electronic equipment, auto parts, machinery equipment, agricultural machinery, hardware products, kitchenware, doors and windows, lamps, handicrafts, display equipment, fitness equipment and other industries.

Used for cutting carbon steel, stainless steel, aluminum and other materials, the cutting thickness can reach 70MM, galvanized sheet, electrolytic plate, aluminum alloy, brass and copper and other metal materials, so that your laser processing "thick" hair.

## Technical Parameters

**E Series**

| | |
|---|---|
| Machine model | LF12025GH |
| Laser power | 20000W (OPTIONAL) |
| Working area | 12000MM X 2500MM |
| Dimensions | 12000MM*2500MM 10000MM*2500MM 8000MM*2500MM |
| Repeat positioning accuracy | ±0.02MM |
| Maximum speed | 190M/MIN |
| Max. acceleration | 2.5G |
| Voltage and frequency | 380V 50HZ/60HZ |

**JINAN G.WEIKE SCIENCE & TECHNOLOGY CO.,LTD**
In hi Tech square High-Tech Zone, Jinan,Shandong,China
E-mail：wkcutt@163.com
Hotline：400-061-521
Fax：+86-0531-88912386