



## G WEIKE GH SERIES

Includes model no: **LF4020GH; LF6025GH; LF10025GH; LF12025GH;**

### FEATURES:

#### SAFETY



- A fully enclosed design.
- The observation window adopts a European CE Standard laser protective glass.
- The smoke produced while cutting can be filtrated inside, it is non-polluting and environmentally friendly.
- The weight of the machine is 7500kg.

#### PLATE WELDED- HEAVY WORK BED

- Annealed and Heat Treated
- Plate welded heavy work beds, suitable for ultra-high power 10,000-watt laser.
- The increase in weight is very beneficial to the laser cutting machine's cutting speed.



#### THIRD GENERATION AVIATION ALUMINIUM GANTRY



- Manufactured with aerospace standards and formed by 4300 tons press extrusion moulding.
- After aging treatment, its strength can reach 6061 T6 which is the highest strength

among all gantries.

- Some of the benefits of Aviation aluminium are:
  - High Strength
  - Light Weight
  - Corrosion Resistant

#### SEGMENTED SMOKE EXHAUST

- Full coverage- super section adopts the latest cutting-edge technology each section of the bed has a smoke exhaust system.
- Powerful negative pressure 360° adsorption axial fan blows smoke downwards creating strong adsorption and consistent smoke exhaust. It effectively purifies the smoke and dust on the top of the enclosed cutting platform and thus reduces lens contamination



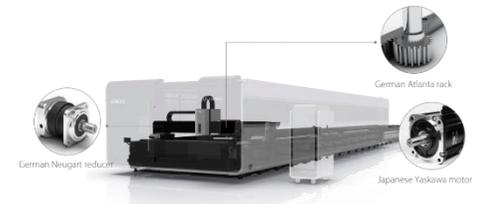
#### EXCHANGE PLATFORM



- The Exchange Platform acts as a loading & unloading platform which saves feed time and improves productivity.
- The platform exchange is completed within 15s.

#### TRANSMISSION AND PRECISION

- The fiber laser cutting machine is equipped with a German Atlanta rack, Japanese Yaskawa motor, and German Neugart reducer gear unit.
- The positioning accuracy of the machine tool is 0.02mm.
- The cutting acceleration is 1.5G.
- Working life is up to 10 years





### AUTOFOCUS LASER CUTTING HEAD



- Without Manual Focusing The software automatically adjusts the focusing lens to realize automatic perforating and cutting plates of different thicknesses. The speed of automatically adjusting the 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-The collimator lens and focus lens both have a water-cooling heat sink which reduces the temperature of the cutting head to improve the life of the cutting head.

### CNC OPERATING SYSTEM- FSCUT8000



- FSCUT8000 is EtherCAT bus system designed for ultra high power fiber laser above 8KW, featured by out-of-box service, easy to install and adjust, full solution functions.
- Touch screen controller
- It supports customization, automation, and other great features
- It is the leading edge EtherCAT laser cutting control system on the market.
- 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.
- The CNC system integrates high productivity and simple operation.
- Supports most of the CNC files.
- In-built drawing and nesting tools for simple and quick jobs.
- Different cutting strategies can be applied to the nest.

### SPECIFICATIONS/ OPTIONS:

Machine model	LF4020GH	LF6025GH	LF10025GH	LF12025GH
Laser power	8000W, 12000W, 15000W, 20000W(Optional)			
Dimensions	11475 x 2574 x 5169mm	14937 x 3952 x 2287mm	22953.5 x 4006 x 2336.5mm	27092 x 4119 x 2336.5mm
Working area	4000mm x 2000mm	6000mm x 2500mm	10000mm x 2500mm	12000mm x 2500mm
Positioning accuracy	±0.02mm			
Maximum speed	200m/min			
Max. acceleration	2.5G			
Voltage and frequency	380V / 50Hz/60HZ			

### CONTACT US:

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