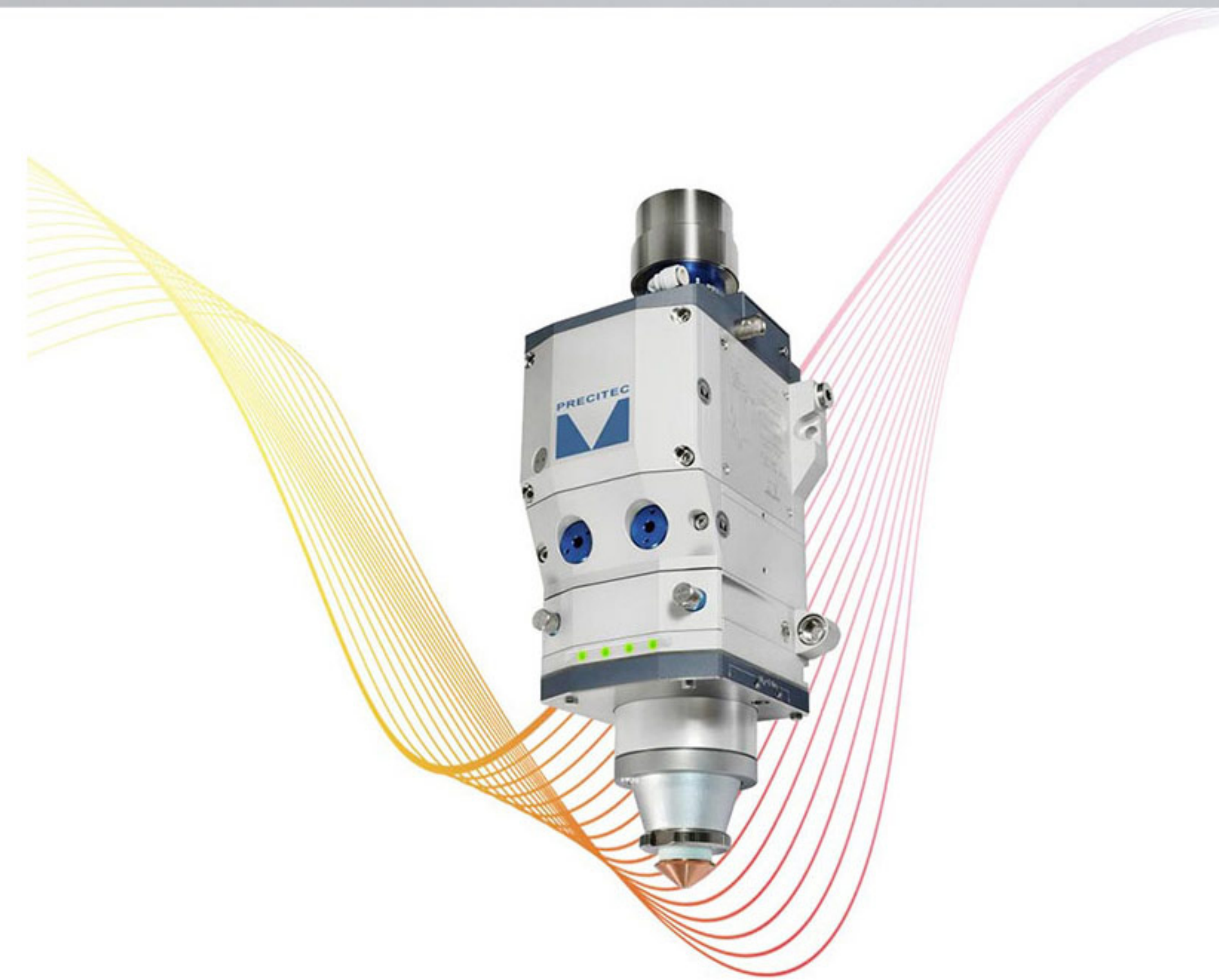


LF4020GH

LF4020GH WHOLE COVER LASER CUTTING MACHINE



Auto Focus 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.
- The smoke produced by cutting can be filtrated inside, it's non-polluting and environmentally friendly;
- The weight of machine is 7500kg.

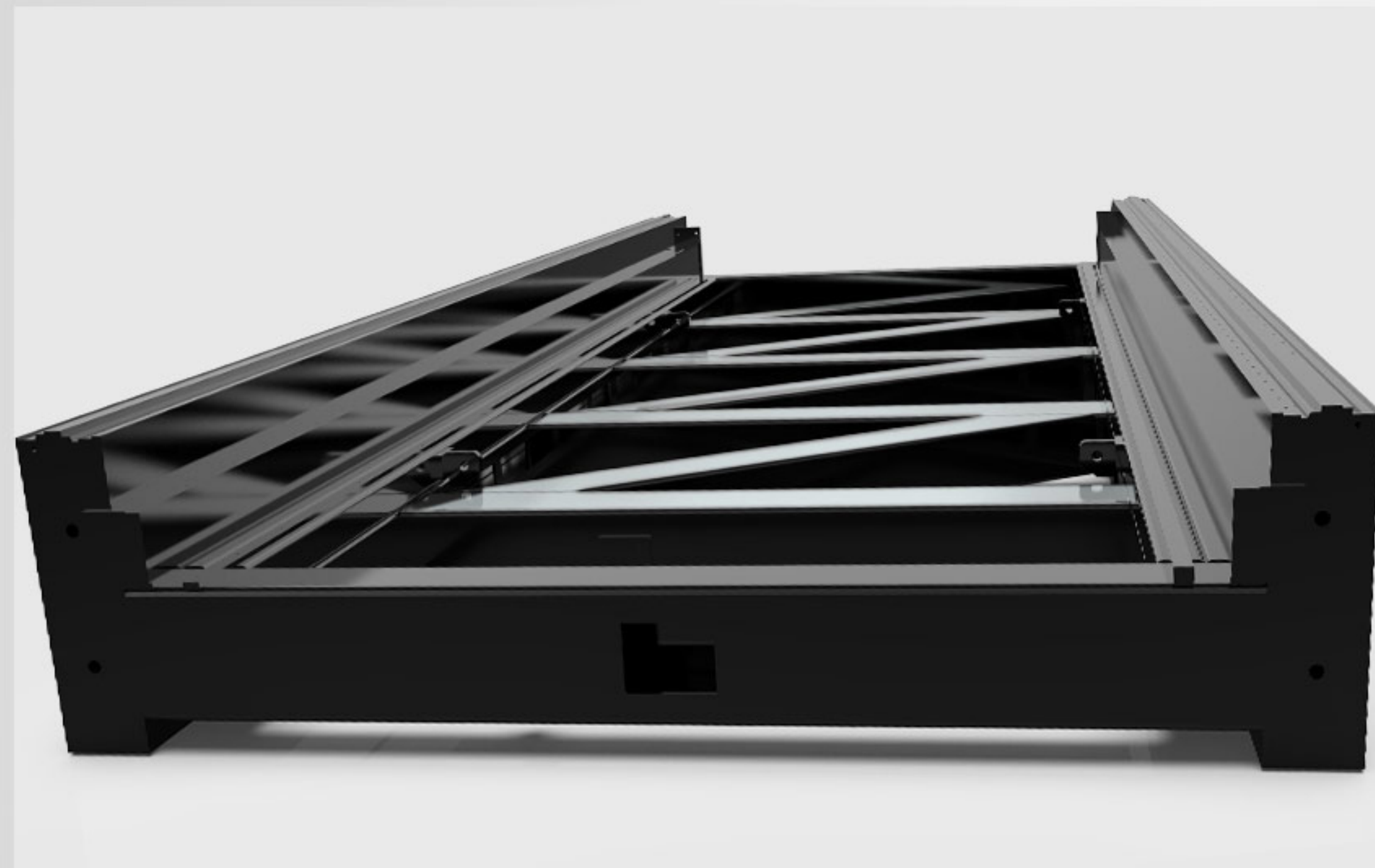


Plate Welding Heavy Work Bed

Annealed And Heat Treated

- Plate welding heavy work bed, no deformation in 20 years, suitable for ultra-high power 10,000-watt laser. The increase in weight is very beneficial to the laser cutting machine cutting speed.
- Innovative Four Slings Working Bed
- For reducing damage to the work bed during laser working, G.WEIKE innovated the new work bed by adding four slings, and the life span of the fiber laser cutting machine work bed will be doubled.



12000W IPG Fiber Lasers Source

World Famous Brand

- G.WEIKE laser cutting machine YLS-CUT series high power fiber laser of IPG. Powerful cutting ability with stainless steel, aluminum and other metal materials, cutting thickness is up to 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.

Generation Aviation Aluminum Beam

New beam

The Third Generation Aviation Aluminum Beam

Higher strength

454

It is manufactured with aerospace standards and formed by 4300 tons press extrusion molding. After aging treatment, its strength can reach 6061 T6 which is the strongest strength of all beams. Aviation aluminum has many advantages, such as good toughness, light weight, corrosion resistance, anti-oxidation, low density, and greatly increase the processing speed.

VS

Old beam

1st generation steel beam

Slow speed + Weight

2nd generation cast aluminum

Lower strength

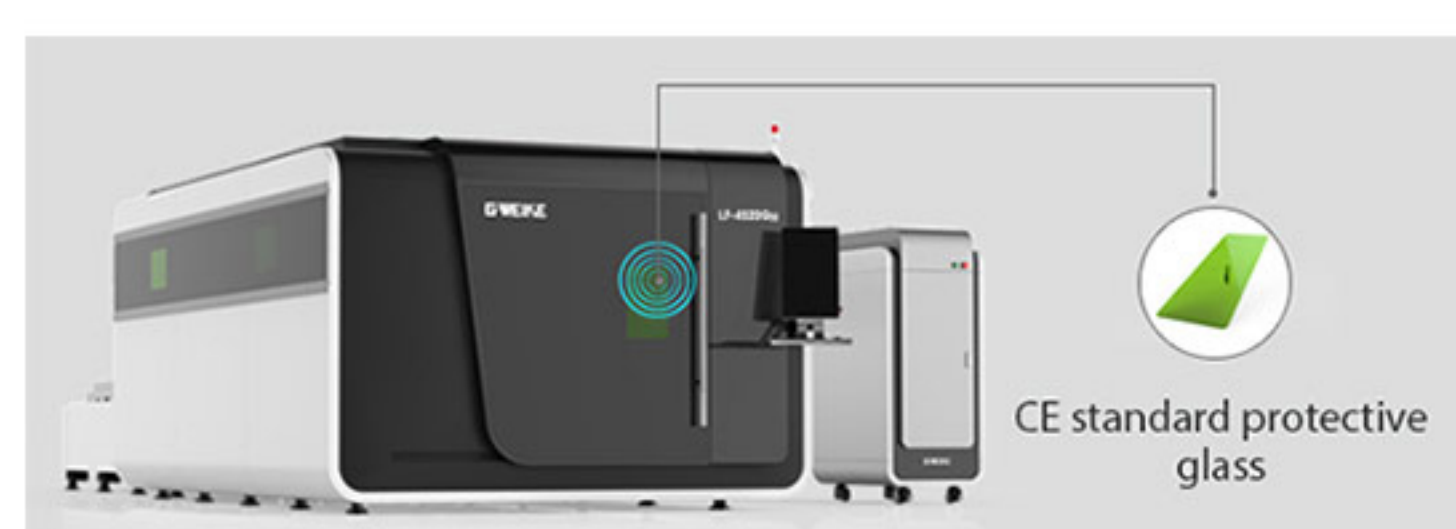
Sand hole

304

Machine Advantage

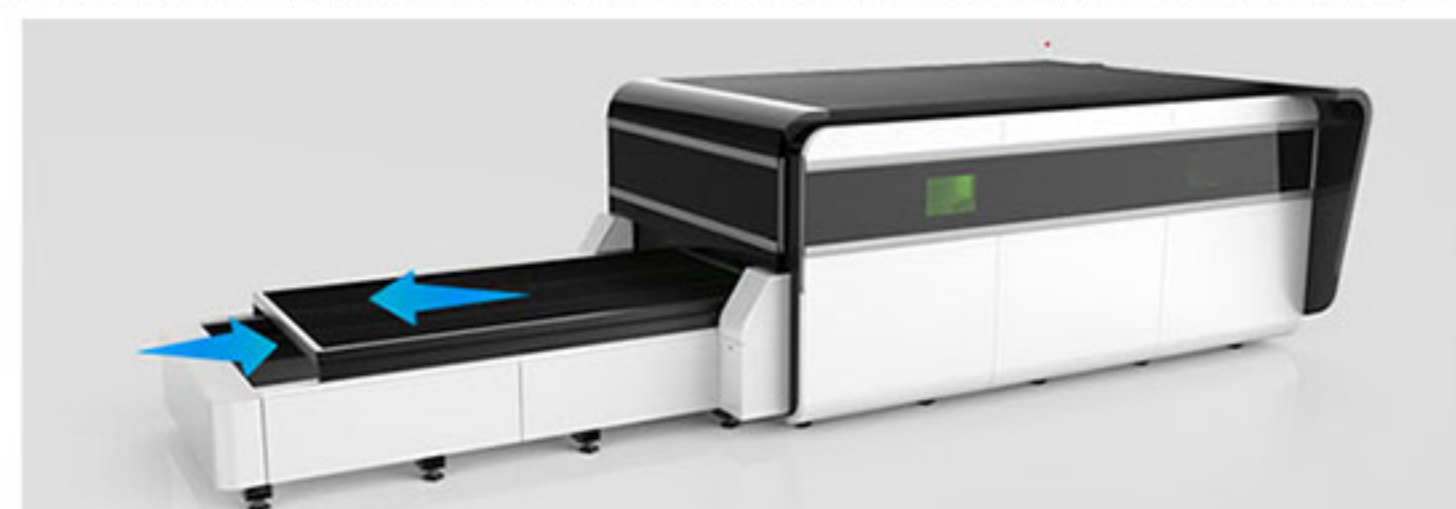
Safety and No Pollution

With a fully enclosed design. The observation window adopts an European CE Standard laser protective glass. The smoke produced by cutting can be filtrated inside, it's non-polluting and environmentally friendly



Exchanging Platform

It adopts an up and down exchange platform, and the converter is responsible for controlling the exchanging motor. The machine is able to finish the platform exchanging within 15s.



Monitored Control System

In the processing process, each dead corner area can be monitored at any time, the process can be controlled. High definition intelligent monitoring system, remote alarm, there is no danger in operation



Industry Applications

GH series fiber laser cutting machine can carry up to 12000W laser power, so cutting some thick plate, it is a very good choice. For example, agricultural machinery, textile machinery, food machinery and construction machinery and other large machinery and equipment manufacturing, usually use high power fiber laser cutting machine for processing. Suitable for stainless steel, carbon steel, silicon steel, aluminum alloy, galvanized steel, aluminum-plating zinc plate, copper, and other metals..



Technical Parameters

GH Series				
Machine Model	LF4020GH	LF6025GH	LF10025GH	LF12025GH
Dimensions	11.475*2.574*5.169m			
Working area	4000mm x 2500mm	6000mmx2500mm	10000mmx2500mm	12000mmx2500mm
Laser power	8000W / 12000W / 15000W / 20000W (Optional)			
Repeat positioning accuracy	±0.02mm			
Maximum speed	200m/min			
Max. acceleration	2.5G			
Voltage and frequency	380V 50Hz/60HZ			

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