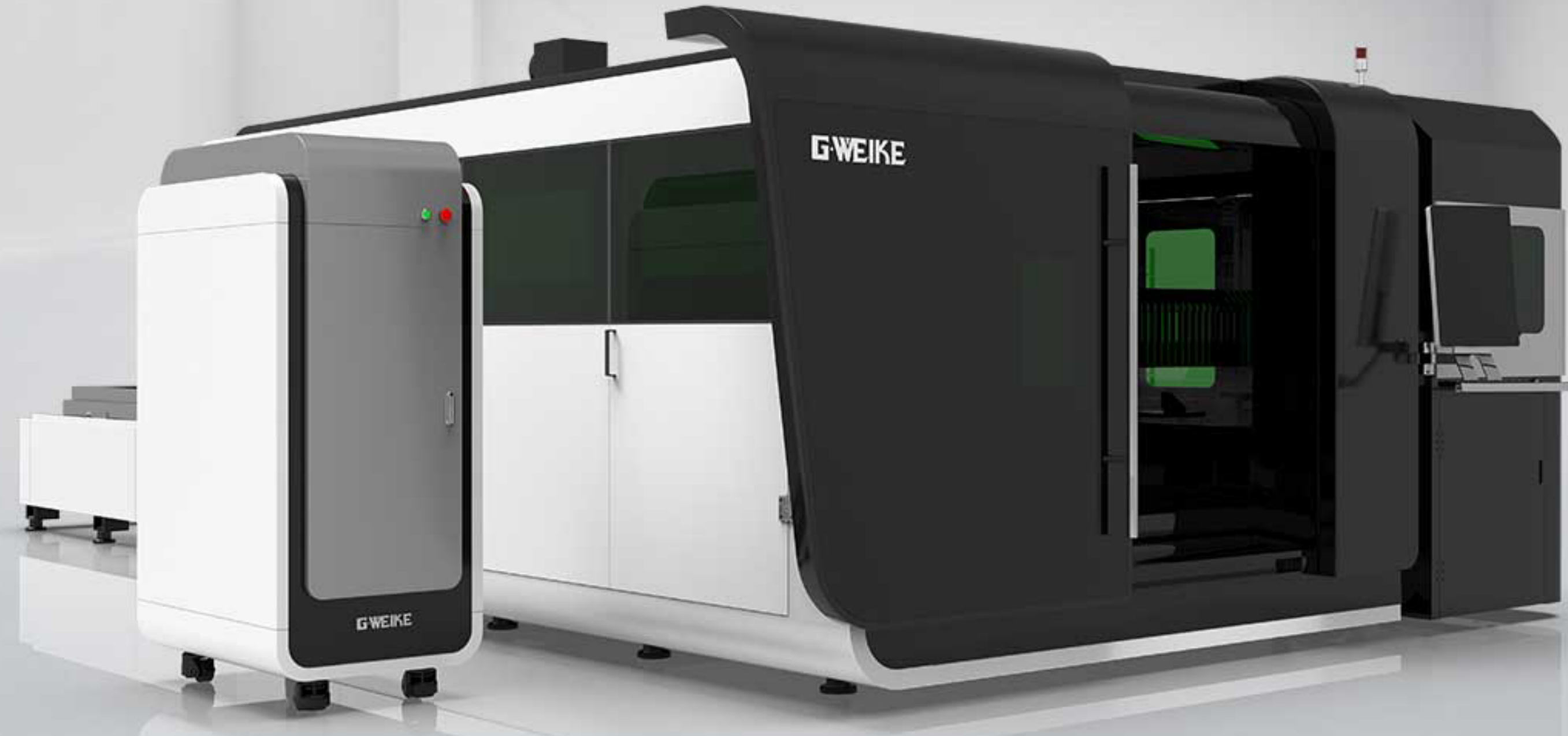


HIGH POWER/TUBE & PLATE

GAR SERIES WHOLE COVER 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.

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.

Clamp Design

- It adopts an pneumatic clamp design on both sides and it can modulate the center automatically. The diagonal adjustable range is 20-300mm.

Dual Use And Cost-saving

- G.WEIKE GR series fiber laser cutting machine can not only cut metal plates, but also metal pipes. It has many uses and can save the space of more than 50%, which effectively improve productivity.

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

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.

Old beam

1st generation steel beam

Slow speed = Weight × 2

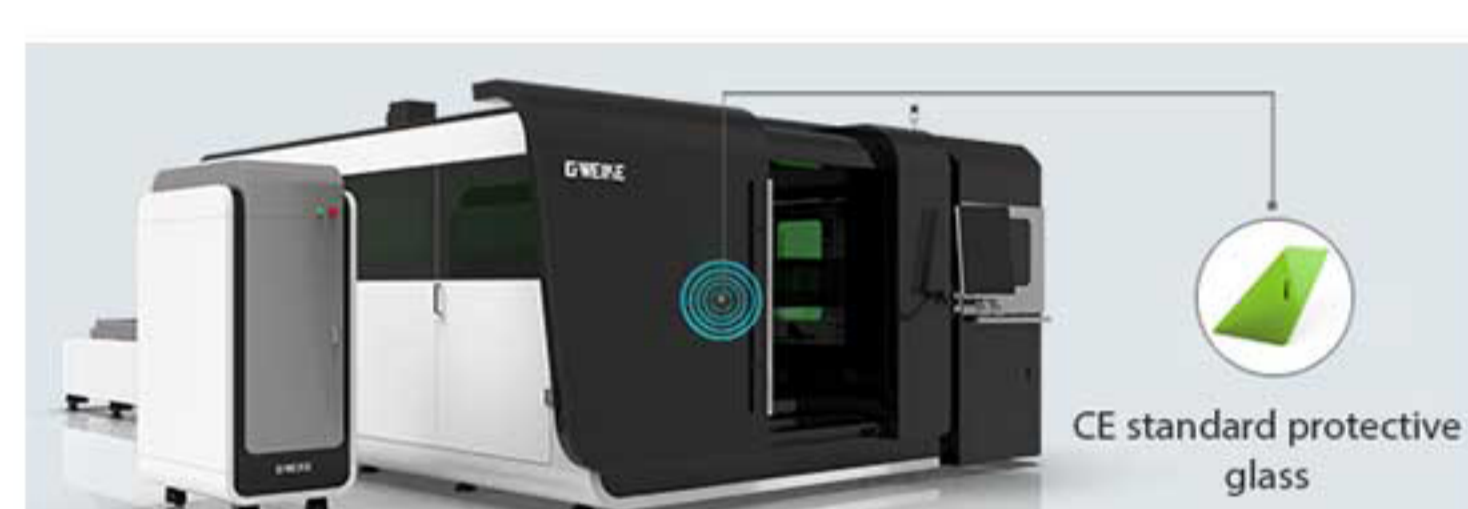
2nd generation cast aluminum

Lower strength
Sand hole

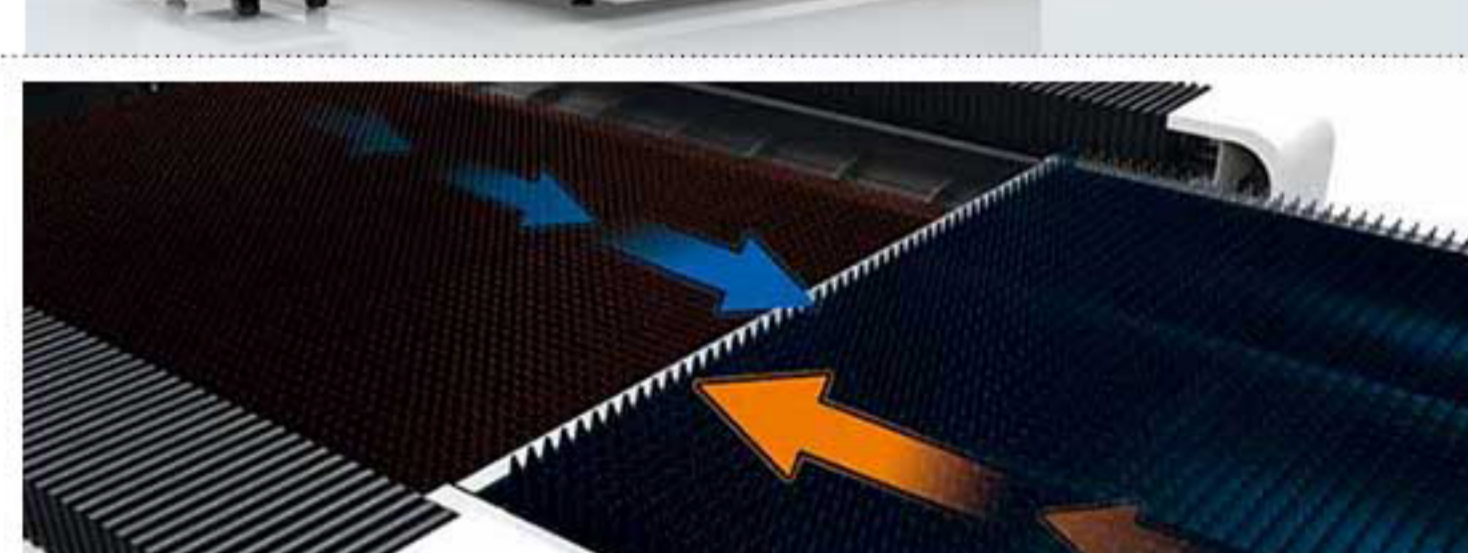
VS

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 friend!



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



Fractional Automatic Support Installation
 It employs intelligent tube support design, which can solve the deformation problems in the process of long tube cutting.



Industry Applications

LF3015GR fiber laser cutting machine can carry up to 8000W 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, titanium alloy, galvanized steel, aluminum-plating zinc plate, copper, and other metals.



Technical Parameters

| E Series | | |
|-----------------------------|----------------------------|----------------------------|
| Machine model | LF3015GAR | LF4020GAR |
| Laser power | 500W 700W 750W 1000W 1500W | 500W 700W 750W 1000W 1500W |
| Working area | 3000MM X 1500MM | 4000MM X 2000MM |
| Dimensions | 9500*3760*2520MM | 11500*4260*2520MM |
| Repeat positioning accuracy | ±0.02MM | ±0.02MM |
| Maximum speed | 120M/MIN | 120M/MIN |
| Max. acceleration | 1.5G | 1.5G |
| Voltage and frequency | 380V 50HZ/60HZ | 380V 50HZ/60HZ |

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