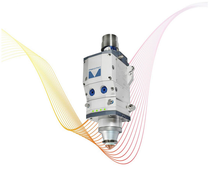


Autofocus Laser Cutting Head

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.

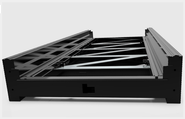
Bigger Adjustment Range
Adjustment range -10 mm~ +10mm, precision 0.01mm, suitable for 0~20mm different types of plates.

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.



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.

One drag two four station double online cooperation

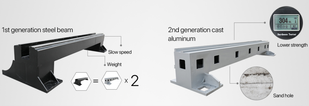
Two-machine Interconnection mode is adopted to realize ultra high speed material feeding,cutting, and unloading, stable operation, and the efficiency is triggered at the touch.

Independent Control Cabinet

Dust-proof
All electrical components and laser source are built-in to the independent control cabinet with a dust-proof design to prolongthe lifespan of the electrical components.

Automatic Thermostat
The control cabinet is equipped with air conditioner for automatic constant temperature. This can prevent excessive temperature damage to components in summer.

The Third Generation Aviation Aluminum Beam



3rd generation aviation aluminum beam

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.

Technical Parameters

Machine Model	LF3015GAL
Laser Power	2000W 3000W 4000W 6000W 8000W (Optional)
Dimension	14805*8182*4422mm
Working Size	3000mm*1500mm
Repeated Positioning Precision	±0.02 mm
Max.Running Speed	120m/min
Max. Acceleration	1.5G
Specified Voltage and Frequency	380V 50Hz/60HZ

Industry Applications

LF3015GAL 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.

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