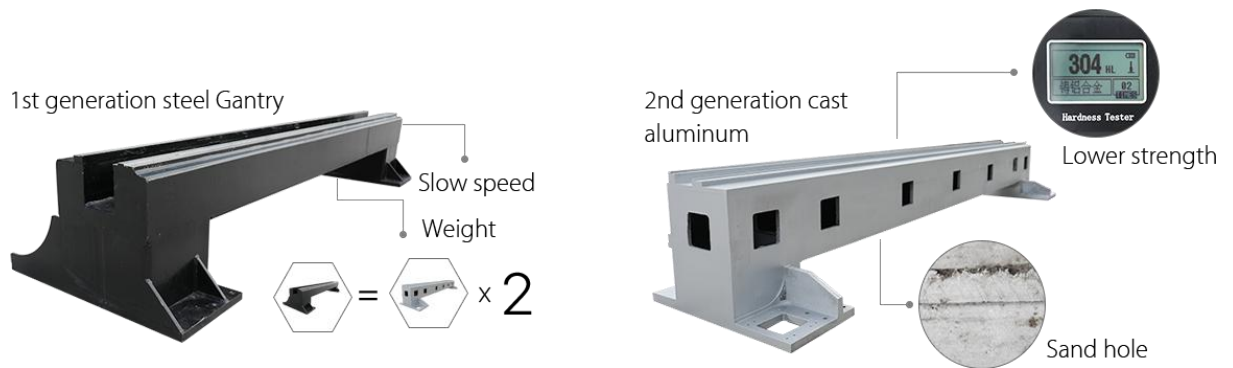


# LF3015LN

## FIBER LASER CUTTING MACHINE

### -The Third Generation Aviation Aluminum Gantry



### -3rd Generation Aviation Aluminum Gantry

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 gantries. Aviation aluminum has many advantages, such as good toughness, light weight, corrosion resistance, anti-oxidation, low density, and greatly increase the processing speed.



**-Without manual operation, it can focus automatically**



**\*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.

**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 prolong the 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.



## **-Stainless Steel Protection Design**

The operating area adopts a 304 stainless steel design to prevent high temperature cutting sparks from damaging the machine's surface .





### **-IPAD Designing Screen**

Ipad design screen, has a vertical screen display, different from the traditional horizontal screen display with good response speed, higher contrast, wider view, low power consumption as well as high resolution.

In addition, it possesses high brightness levels and lower reflectivity as well as solid glass panel sturdiness and durability.

### **-Transmission and Precision**

G.WEIKE fiber laser cutting machine is equipped with Japanese Yaskawa motor, French Motoreducer reducer and Taiwan APEX rack. The positioning accuracy of the machine tool can be 0.02mm.



### **-Technical Parameters**

Machine model	LF3015LN
Laser power	1000W 2000W 3000W(Optional)
Dimensions	4440* 2500* 1860mm

Working area	3000mm x 1500mm 4500mm*1500mm
Repeat positioning accuracy	±0.02mm
Maximum speed	80m/min
Max. acceleration	1.0G
Specified voltage and frequency	380V 50Hz/60Hz/60A

## **-Industry Applications**

LF3015LN fiber laser cutting machine as one classic model, widely used in many common areas of our life, such as processing of stainless steel kitchenware, storage cabinet and other cabinets, is closely related to people's daily life.

Used for cutting a variety of metal plates, pipes (add pipe cutting device), mainly used in stainless steel, carbon steel, galvanized sheet, electrolytic plate, brass, aluminum, various alloy plate, rare metal and other metal materials.

