

Next Generation Fiber Laser Cutting Machine

G WEIKE FIBER LASER CUTTING MACHINE

Superior performance

Advanced technology

Simple operation

High Precision

High Speed



Third Generation Aviation Aluminum Gantry

- Manufactured with aerospace standards and formed by 4300 tons press extrusion molding
- After aging treatment, its strength can reach 6061 T6 which is the highest strength among all gantries
- Some of the benefits of Aviation aluminium include
 - High Strength
 - Light Weight
 - Corrosion Resistance



Segmented Rectangular Tube Welded Bed

- The internal bed structure adopts the aircraft metal honeycomb structure, which is welded by a number of rectangular tubes
- Stiffeners are arranged inside the tubes to increase the strength of the bed, it also increases the stability of the guide rails so as to effectively avoid the deformation of the bed
- High strength, stability, tensile strength, ensuring 20 years of use without distortion
- Thickness of rectangular pipe wall is 10mm and weighs 4500 kg



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



Safety and No Smoke

- With a fully enclosed design
- The watch window adopts an European CE Standard laser protective glass
- The smoke produced by cutting can be filtrated inside. Hence, a non-polluting and environmentally friendly design is achieved



Transmission and Precision



- Fiber laser cutting machine is equipped with 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

Independent Control Cabinet

- 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



CNC Operating System



- 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

Technical Parameters

Machine model	LF3015GA
Dimensions	8150*2825*2125mm
Working area	3000mm x 1500mm
Repeat positioning accuracy	±0.02mm
Maximum speed	120m/min
Max. acceleration	1.5G
Voltage and frequency	380V 50Hz/60HZ
Weight	7500kgs

LASER POWER SOURCE

IPG laser power source is available in different power rating

1kW, 1.5 kW, 2kW, 3kW, 4kW, 6kW (optional)

LASER HEAD

Raytools BT240 series

- 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.
- The laser head body has an anti-collision function
- Turntable focus adjustment and can be manually corrected, fine and flexible adjustment, adjustable range is 20mm, accuracy is 0.05mm



SUPPLY & PRICING _ request a Budget Price!

- Supply is on an indent basis from G Weike , Jinan, China fully specified to meet your profile cutting requirements in terms of power, compressed air, and gas supply.
- There is an approximate 12-week delivery lead time from China dependent on the supply of the IPG Fibre Laser power source. Shipping to New Zealand is 4 weeks.
- Installation involves delivery and installation to your site position with full assembly of the machine incl. cover. Training an ongoing support during the run-up period are also provided
- Ask us for a budget price on the options you wish to consider. We can provide quotation once the final specification, timing, NZD to USD exchange rate and method of payment is confirmed.

ONGOING SUPPORT

- A 1500 W Fibre Laser of a similar design can be demonstrated
- Cutting Head parts and laser consumable supply can be obtained directly from Raytools
- A 1000 W Fibre Laser is presently in manufacture



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