

Fiber Laser Cutting Machine GS-LFDS4015

Laser cutting advantages over other thermal cutting methods

1. The cutting quality is good:

Because of the small laser spot, high energy density, fast cutting speed, laser cutting can therefore get better cutting quality.

(1) Cutting knife is narrow and parallel on both sides, also perpendicular to surface, dimensional accuracy of cutting pieces can be up to ± 0.05 mm……

2. Highly automation:

Adopts digital control, you only need to use CAD to draw the picture and import to specialized software, laser cutting machine can cut out the artifacts you need, moreover there is intelligent typesetting function, thus can save raw material costs to the greatest extent.

3. High cutting efficiency:

Due to the transmission properties of laser, laser cutting machine has equipped with many sets of CNC work bench to realize numerical control. You only need to change the CNC program to cut different shape, as well as for two-dimensional cutting, and three-dimensional cutting……



Parameters

Model	GS-LFD4020/6020
Output power of laser source	1000W~4000W
Cutting area (L*W)	4000mm × 2000mm/6000mm × 2000mm
Z axle stroke	120 mm
Max. positioning speed	120m/min
Cooling	water cooling
Max accelerated speed of X, Y axes	1.2G
Kerf Width	±0.1 mm
Positioning accuracy of X, Y and Z axes	±0.03 mm
Repeated positioning accuracy of X, Y and Z axes	±0.01 mm
Processing precision of work piece	±0.1 mm
Kerf harshness	Ra 3.2—12.5 μm
Voltage	380V,50/60Hz
Continuous working time	24 Hours
Total installed capacity	20-25 KVA
Total protection level of power supply	IP54

Cutting Materials

It is used to cut the metal materials, such as stainless steel, carbon steel, alloy steel, silicon steel, spring steel, galvanize plate, pickled plate, copper plate, aluminum plate, etc.

Application Industry

Widely used in sheet metal processing, aviation, aerospace, electronics, electrical appliances, tube fittings, automobile, food machinery, engineering machinery, precision parts, ships, metallurgical equipment, elevators, household appliances, kitchen utensils and appliances, craft gifts, tool processing, decoration, advertising and other manufacturing industries.