

CNC Laser Cutter With Exchangable Pallet

Product Introductions



GS-LFDS3015 Exchangeable Working Table Fiber Laser Cutter (double drive)

2.1 Advantage of Fiber Laser Cutting Machine

Compare of different laser sources

Model of Laser Source	Fiber	CO2	Disc
Electro-optical Conversion Efficiency	30%	10%	15%
Max. Output	50Kw	20Kw	8Kw
BPP (4/5Kw)	<2.5	6	8
Life of Diode Pumped	> 100,000	NA.	10,000
Occupied Area (4/5Kw)	< 1M ²	3M ²	> 4M ²
Maintenance	no need	need	Often
Soft Processing	more suitable	unsuitable	suitable
Stability	best	good	good
Absorption rate%--steel	35	12	35
Absorption rate%--aluminum	7	2	7
Replaced Parts	High brightness semiconductor laser broadband single core, more than 100,000 hours of pump. Damage to one of the semiconductor does not affect the normal work of the laser, but less and less power, because each semiconductor pump sources are	Laser work requires gas supplement, reflection lens replacement.	Semiconductor Bar (array) maximum pulse model 5000 hours or 10000 hours continuous mode. Laser use the pump sources are used in the process of often

	used to separate each other.		need to change, each time change need to be between \$200,000-230,000.
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2.2 Specialized Highly Follow-up Sensor



Auto tracing system, rapid reflect, accurate location.

4.4.1 Sampling rate is up to 1000 times/s, max. Tracing speed is up to 500mm/s.

4.4.2 Highly follow-up control range is 0-10mm.

4.4.3 Static detection accuracy is 0.001mm, dynamic detection accuracy is 0.02mm.

4.4.4 Network communication, update on-line.

4.4.5 Oscilloscope function, detects the change of capacitance and height in real time.

4.4.6 Warning when panel is collided and lack, prevent accidental collision to the laser head.

4.4.7 Edge detection, auto finding plate edge, leapfrog lift, segmental perforation, lift height can be set arbitrarily.

4.4.8 One key calibration, fast, easy and convenient to operate.

4.4.9 Matched with any cutting head and spray nozzle, auto adapted the capacitance parameter.

2.3 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.

2.4 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.

2.5 Samples



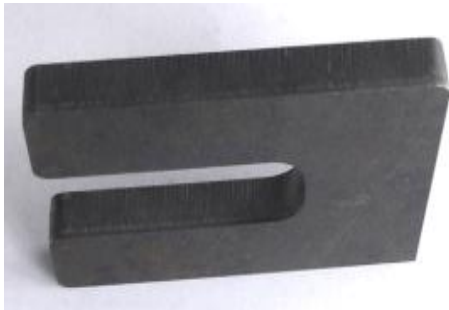
1mm stainless steel



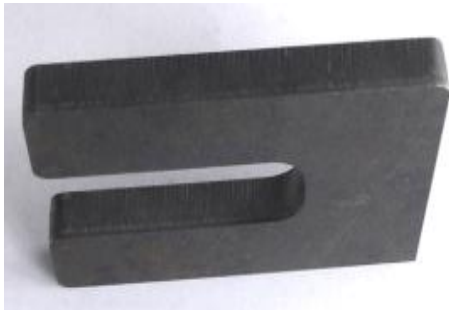
3.5mm stainless steel



5mm carbon steel



5mm stainless

10mm carbon
steel

10mm stainless steel



2.6 After-Sale Service

Our after-sale network is all over the world which will provide the comprehensive after-sale service to our customer.

Our commitment is as follow:

One year guarantee for the whole equipment.

We will answer your questions within 24hours.

When Equipment warranty expires, lifelong maintenance services will be provided.

After the expiry of the warranty we will offer a wide range of software support with free upgrade for lifelong .