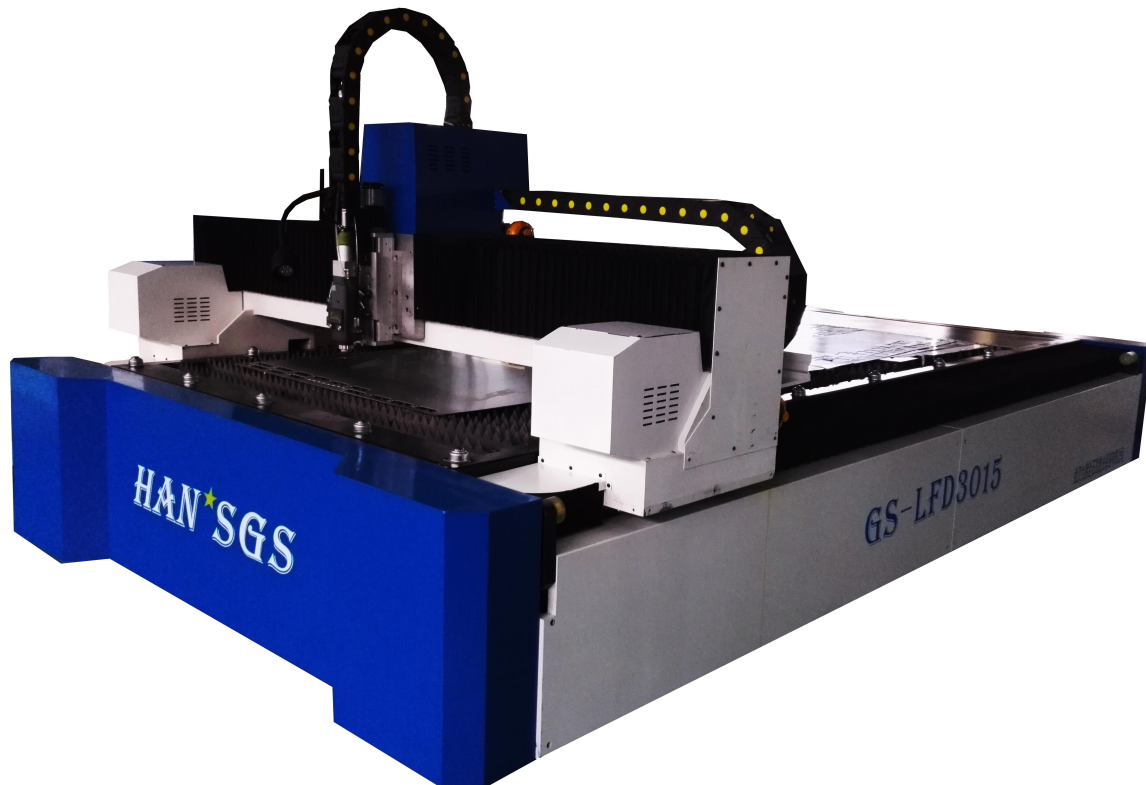


GS-LFD3015 CNC metal steel laser cutting machine

Product Introductions



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	Laser work requires gas	Semiconductor Bar (array) maximum

	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 used to separate each other.	supplement, reflection lens replacement.	pulse model 5000 hours or 10000 hours continuous mode. Laser use the pump sources are used in the process of often need to change, each time change need to be between \$200,000-230,000.
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2.2 Automatic focus follow up system



- 1、 Sampling rate 1000 times/sec, max following speed 500mm/sec
- 2、 Height following control range 0-10mm
- 3、 Statics inspection accuracy 0.001mm, dynamic responding accuracy 0.02mm
- 4、 Support network communication and upgrade with flash disk
- 5、 Support functions of oscilloscope, survey the electric capacity and height in real-time
- 6、 Board touching alarm and board leakage alarm to prevent the cutting head in accident.
- 7、 Edge inspection and automatic cutting, leapfrog cutting, hole punching separately, the lifting height can be adjustable according to customer
- 8、 Positioning with just one key operation, fast and convenient
- 9、 Compatible with any sort of cutting head and sprayer, electric capacity data is self-adjusted.

2.3 With the Wireless Controller which is especially designed for the cutting machine, the remote control of cutting and processing for carbon board and stainless steel board is feasible to improve the work efficiency

- 1 Displaying function: Real-time showing of workpiece coordinate, mechanical coordinate for both X and Y axis, also it can show the cutting speed and stepping value
- 2 Set up the coordinate of workpiece, back to the working origin, back to the mechanical origin, feeding speed adjustment, stepping value and etc
- 3 Laser power control: Laser switch, pump control switch
- 4 Adopt with wireless transfer technique of high performance, frequency-hopping transfer, data with code, good anti jamming ability and stability.
- 5 Battery is long service life time with low power consumption design



2.4 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.

2.5 Application Industry

Widely used in sheet metal processing, aviation, aerospace, electronics, electrical appliances, tube fittings, automobile, food machinery, engineering machinery, precision parts, ships, metallurgical e

equipment, elevators, household appliances, kitchen utensils and appliances, craft gifts, tool processing, decoration, advertising and other manufacturing industries.

Samples



1mm stainless steel



3.5mm stainless steel



5mm carbon steel



5mm stainless



10mm carbon
steel



10mm stainless steel