

Product Specification

Image/Item Des.	Machine Size(mm)				CBM(m3)	N.W(kgs)	Packing Size(mm)			CBM(m3)	G.W(kgs)	Package
	part name	L	W	H			L	W	H			Exporting Wooden Case
	Host Machine	4360	2300	1500	15.0	3200	5000	2250	1900	14.5	3400.0	1case
	Control Cabinet	1660	850	1510	2.2	520	1780	960	1775	3.0	560.0	1case
	Water Chiller	810	1320	1120	1.2	150	1480	960	1420	2.0	200.0	1case
BSFL-3015 500W large scale metal sheet laser cutting machine working bed 3000*1500mm	Total:					3870				19.5	4160.0	3cases

Technical parameter

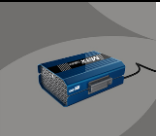
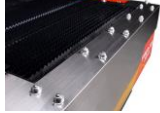
Applicable material and Applicable industry

Laser type:Fiber laser	X-axis:3000mm	Cutting Material	Fiber laser specially cut several type of middle thick and thin materials such as stainless steel,mild steel/carbon steel,copper,alloy steel,spring steel,galvanized plate,etc.
Laser power:300W/500W/1000W	Y-axis:1500mm		
Laser source brand:GSI from UK	Z-axis:120mm		
Laser Wavelength:1070-1080nm	Cutting size:3000X1500mm	Applicable industry	Used in sheet metal processing,aviation,aerospace,electronics,appliances,subway accessories,automobile,machinery,precision parts,ships,metallurgical equipment saw blades,electors,household appliances,craft gifts tools,processing,decoration,advertising,metal external processing vatiety of metal processing industry
Motor brand:Yasukawa servo motor from Japan	Geometric positioning accuracy:±0.05mm		
Driver:TBI ball screw and HIWIN lead rail from TaiWan	Orientation accuracy:±0.03mm		
Cooling type:water cooling CW6100	Power requirement:380V/50HZ/60HZ		
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/	/		
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Fiber 500w machine cutting stainless steel/Carbon steel/Aluminum alloy thickness/mm with speed m/min

Material	Stainless steel		Carbon steel				Laser principles:Laser is Light Amplification by Stimulate Emission of Radiation,it is means that:simulated radiation of optical frequency amplifier,it is a new power with coherence,monochromaticity, directivity and VHO very high output etc characteristics.
Thick speed	N2	O2	N2	O2			
1mm	12m/min	13m/min	14m/min	16m/min			
2mm	6m/min	8m/min	8m/min	9m/min			
3mm	0.8m/min	1m/min	4m/min	5.5m/min			
4mm			2.5m/min	3m/min			
5mm			1m/min	1.5m/min			
6mm			0.7m/min	0.8m/min			

Machine Construction & Features

	Gantry type mechanical structure,compact taking up small area Beautiful and dignified in appearance,war industry technics and backfire treatment;high working efficiency and steady performance, and with proper use and maintenance it can last more than 10 years lifespan.
	famous fiber laser source 500W
	Working table 1,High precision CNC fixed working table; 2,Special designed small pneumatic wheel carriers ,the metal sheet to be cut may slide along the machine body for easy loading; 3,Strip working table;Alu material,put cutting sheet on it .
	Auto-oil transportation system
	Automatic Focusing Height Follower: GERMANY improved technology and adpot China patents, An automatic sensor senses the capacitance from the tip of the isolated cutting nozzle to the metal being cut. This data is then fed into the Height Follower Controller;if the metal sheet have wavy surfaces,the focus height follower can ensure constant distance between the focal point and the plane of the metal sheets to be cut,so that consistent cutting quality can be achieved,It can avoid defects caused by wavy metal surfaces and and also avoid the damage of the nozzle head.

