

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	9360	3100	2000	29.0	6800	10500	3550	2200	35.0	7200.0	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 1000W large scale metal sheet laser cutting machine working bed 3000*1500mm	Total:					7470				40.0	7960.0	3cases	

Technical parameter

Applicable material and Applicable industry

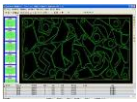
Laser type:Fiber laser	X-axis:3000mm	Cutting Material	Fiber laser specially cut several types of middle thick and thin materials such as stainless steel,mild steel/carbon steel,copper,alloy steel,spring steel,galvanized plate,etc.
Laser power:300W/500W/1000W	Y-axis:1500mm		
Laser source brand: ipg from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

Fiber 1000w machine cutting stainless steel/Carbon steel/Aluminum alloy thickness/mm with speed m/min

		Material						Laser principles: Laser is Light Amplification by Stimulate Emission of Radiation,it 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	Stainless steel		Carbon steel		Aluminum alloy		
		N2	O2	N2	O2	N2	O2	
1mm		20m/min	23m/min	22m/min	25m/min	3.5m/min	5m/min	
2mm		10m/min	12m/min	12m/min	14m/min	1.8m/min	2m/min	
3mm		5m/min	6m/min	6m/min	7m/min	1m/min	1.3m/min	
4mm		2.5m/min	3.5m/min	3.5m/min	4.5m/min			
5mm		1m/min	2m/min	2.5m/min	3m/min			
6mm				1.8m/min	2.1m/min			
12mm				0.5m/min	0.65m/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,it possible to achieve more than 10 years lifespan through proper use and maintenance.
	imported fiber laser source From IPG 1000W
	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 adopt 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.

	Cutting head(Au3tech is standard, Germany is optional): Magnetic control,easy to disassemble and anti-crash protection.
	wireless telecontrol
	Optical fiber high quality specialized lens
	Low energy consumption optical fiber cold water machine
	Drive System 1,Imported servo system ensures the possibility of realizing extreme precise positioning with the excellent dynamic response acceleration property and closed loop control method, and that makes moving positioning mechanism operate smoothly, reliably and free of maintenance; 2,Motors in X,Y,Z axis; loacation accuracy: $\leq \pm 0.04\text{mm}$
	Imported Ball Screw Transmission :D50mm
	Germany Brand Reduction Gear: Installed on Y axis,it can protect the ball screw transmission and keep the smooth operation of the machanism.
	Control System: Industrial PC,easy operation and automatic programming.
	Gas Supply System: 1, The gas can blow away the cutting dust and keep the machine and working enviroment clean. 2, Air, Oxygen and Nitrogen, Argon gas, Xenon gas and other inert gases can be used to cut. Oxygen cuts thicker than Nitrogen, but Nitrogen cuts smoother than Oxygen on the edge. Normally, customers will buy gas from local market, it's cheap and convenient, and customers can choose different gas to cut metals accroding to the metal thickness.
	Operation Cut System Software,support AutoCAD,Coreldraw: The professional cutting software which supports cutting path in dxf, plt and other graphic formats;capable of setting cutting parameters in different layers;combining joined lines to ensure automatic splice of curve nodes;smoothing fold lines to obtain smooth cuts;optimized immediately after the completion of graphic design,thus improve the productivity. By making use of the compensation function of this professional cutting software,various cutting accuracy grades may be obtained.
	Nesting Software(Optional Item): 1,It provides full-featured management capabilities and complete cutting solution 2,Its features of optimization and co-ordination for multiple sheets significantly improve the comprehensive utilization rate. The advanced and practical function of cutting optimization improves the cutting efficiency and reduces the cutting cost considerably. 3,It is with strong graphics processing and import capabilities and it supports all versions formats of CAD file.Abandant functions of aggregating statistics and reporting data for cutting materials
Applicable Industry and Cutting Samples	
YAG laser cutting machine has been widely used in manufacture billboard, sheet metal structure, high-low voltage electric cabinet, textile machinery, kitchenware, metal artware, etc;processing material like Stainless steel,carbon steel,mild steel,alloy steel,spring steel,copper,brass,aluminiumsheet,gold,silver,titanium sheet and pipe.	
	
	
	
	
Delivery and Payment Terms	
1. Validity: The price is valid for 14 days.	
2.Price term: The price quoted are based on ex Selangor	
3.Terms of payment: 40% deposit on order, balance 60% prior to installation.	
4.Delivery time : 4 to 6 weeks after receipt of Purchase Order and Deposit payment.	
5. Warranty : 12 months from date of installation except wear and tear parts and consumables, eg, water chiller, exhaust, lens, mirrors and laser tubes, etc.	