



9447277700

Optic Fiber Laser Cutting Machine



Fiber Laser Cutting Head



Dual Ballscrew with Driven Nut



Exchangeable Fiber Laser



Cypcut



Height Controller



Cooling System



Exhaust Pipe

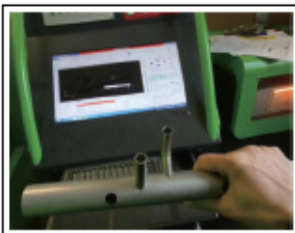


IPG Source

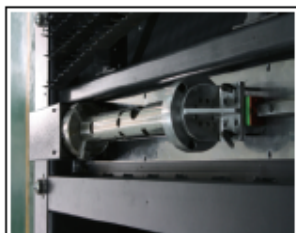
Product Configuration

1. Gantry structure, the platform is stationary, and the Gantry frame is moved
2. Fiber Laser was combined innovative dual ballscrew with driven nut and the latest technology. It could provide perfect cutting quality, fast cutting speed, lower cutting cost and lower maintainment cost.
3. Z axis ballscrew adopts Taiwan double support seat, ball screw Z axis on both sides using a set of back-to-back angular contact thrust ball bearing support.
4. IPG laser from Germany (500W / 700W / 1000W).
5. Lasermech cutting head with automatic tracking system from USA.
6. CypCut professional laser cutting control system.
7. Four exhaust ventilation system partition.
8. Thermostatic water cooling system.
9. YASKAWA servo system from Japan.
10. Imported screw and linear guide.
11. Bed with heavy-duty welded steel pipe to trewss again after finishing.
12. Using G+W coupling direct connection technology from Germany connect servo motor and ballscrew, with this coupling, the rigidity and positioning accuracy will be very good.
13. Adopts the flexible protective cover made of imported materials. It protects the ballscrew and guider rail from the chip or damage
14. Germany WSX cutting head made in China.
15. Precision stainless steel inner water cooler.
16. There are 3 -5 steel rolls that can be lifted automatically on the table. When need to put the material, the rolls is raised, after the material is put on the rolls, the rolls will be put down.

Exchangeable fiber laser, was adopted the Swedish rack and pinion, Japan YASKAWA double servo drivers, Germany Alfa reducer. The precision will be great. The efficiency of auto exchangeable is high, the speed is fast. The running speed is 100 m/min without loading and the acceleration could reach 1.2 G. There is IPG high power laser with the machine, it is a perfect product in metal cutting industry.



Perfect Sample



Tube Cutting



Protect Housing



Tube Cutting

MATERIALS

Material	(mm) thickness	IPG600W m/min	IPG700W m/min	IPG1000W m/min	IPG1600W m/min	IPG2000W m/min	IPG2600W m/min	IPG3000W m/min	IPG4000W m/min
(Carbon steel) Q2	1	6.0-7.0	7.0-8.0	8.0-9.0	9.0-11.0	10.0-13.0	10.0-13.0	10.0-13.0	10.0-13.0
	2	2.5-3.2	3.5-4.5	4.0-5.0	4.5-5.5	5.0-6.5	6.0-7.0	6.0-7.0	6.0-7.0
	3	1.2-1.8	1.5-2.0	2.5-3.6	2.8-3.8	3.0-4.6	3.2-4.8	3.5-5.0	3.5-5.0
	4	1.0-1.4	1.2-1.6	2.0-3.0	2.5-3.3	2.8-4.0	3.0-4.2	3.0-4.2	3.0-4.2
	5		0.6-1.0	1.5-2.2	1.8-2.5	2.2-3.2	2.4-3.4	2.5-3.6	2.5-3.6
	6		0.4-0.7	1.5-2.0	1.6-2.2	2.0-2.8	2.2-3.0	2.4-3.0	2.5-3.2
	8			0.8-1.2	1.1-1.5	1.4-2.0	1.5-2.2	1.8-2.4	2.0-2.5
	10				1.0-1.2	1.1-1.4	1.2-1.7	1.2-1.8	1.2-2.0
	12					0.9-1.2	1.0-1.4	1.0-1.5	1.0-1.6
	16						0.6-0.8	0.7-0.85	0.7-0.9
	20							0.6-0.75	0.6-0.8
	22							0.5-0.65	0.6-0.8
25							0.4-0.6	0.5-0.7	
(SS) N2	0.5	12.0-15.0	14.0-17.0	15.0-20.0	18.0-25.0	20.0-28.0	30.0-42.0	35.0-50.0	45.0-55.0
	1	7.0-9.0	9.0-11.0	10.0-12.0	10.0-15.0	10.0-15.0	10.0-15.0	10.0-15.0	10.0-15.0
	2	2.0-2.8	2.5-4.0	4.0-6.0	5.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0
	3	0.6-0.8	0.7-1.0	2.0-3.0	3.2-4.5	5.0-7.0	5.0-7.5	7.0-11	10.0-15.0
	4		0.5-0.8	1.2-1.6	2.0-2.8	3.5-4.5	3.5-5.2	4.0-4.6	5.0-7.5
	5			0.7-1.0	1.2-2.0	1.8-2.5	2.0-3.0	2.5-4.0	4.0-5.0
	6			0.5-0.65	0.7-1.0	1.2-1.8	1.4-2.0	2.0-3.2	2.8-4.0
	8				0.5-0.7	0.7-1.0	0.8-1.1	1.2-1.8	1.6-2.5
	10					0.5-0.6	0.5-0.7	0.7-0.9	0.7-1.4
	12							0.3-0.4	0.5-0.7
16								0.3-0.5	
(Al) N2	1			8.0-12.0	10.0-15.0	13.0-25.0	18.0-30.0	30.0-38.0	35-40.0
	2			3.8-4.5	5.0-6.0	7.0-10.0	8.0-12.0	12.0-16.0	13.0-22.0
	3			1.4-2.0	2.5-3.5	4.0-6.0	4.0-7.0	6.0-8.0	7.0-11.0
	4			0.9-0.8	1.4-2.0	2.5-3.5	3.0-4.5	3.5-5.0	4.0-5.5
	5				0.8-1.0	1.4-1.8	2.0-3.0	2.5-3.5	3.0-4.0
	6				0.5-0.6	0.8-1.2	1.2-2.5	1.8-3.0	2.2-4.0
	8					0.5-0.6	0.6-0.9	0.9-1.3	1.0-1.8
	10						0.3-0.4	0.4-0.7	0.6-1.2
	12							0.3-0.45	0.7-0.8
	16								0.3-0.5
(Copper) N2	1			4.5-8.0	8.0-12	10.0-15.0	12.0-18.0	20.0-32.0	25.0-38.0
	2			2.5-3.5	3.5-5.0	6.0-8.0	6.5-9.0	9.0-11.0	9.0-14.0
	3			1.0-1.6	2.0-3.0	2.5-4.0	3.0-4.5	4.0-6.0	5.0-7.0
	4				1.0-1.6	1.5-2.2	1.8-2.6	3.0-4.5	3.0-5.2

WPCT-D



WPCT-S



Single	φD	D1	D2	H	H1				
WPCT-D-08	0.8	M11*0.75	28	16	3.5				
WPCT-D-10	1.0								
WPCT-D-15	1.5								
WPCT-D-20	2.0								
WPCT-D-25	2.5								
WPCT-D-30	3.0								
WPCT-D-35	3.5								
WPCT-D-40	4.0								
Double	φD					D1	D2	H	H1
WPCT-S-08	0.8					M11*0.75	28	16	3.5
WPCT-S-10	1.0								
WPCT-S-15	1.5								
WPCT-S-20	2.0								
WPCT-S-25	2.5								
WPCT-S-30	3.0								
WPCT-S-35	3.5								
WPCT-S-40	4.0								

Collimator Lens

WSX -GQ-JT-01



Focu Lens

WSX -GQ-JT-02

Optical Lens

WTC-01A



Ceramic Ring

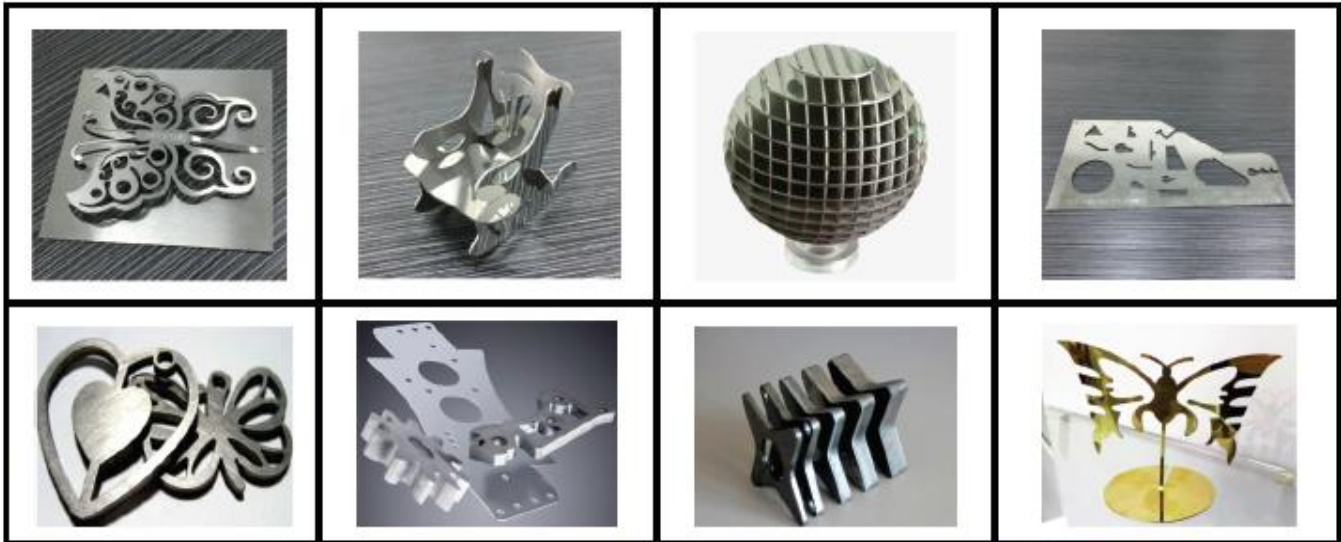


Seal Ring



Protection Lens

APPLICATIONS





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DATASHEET

Model	GI1325	GI2030	
Working Area	1.3m x 2.5m	2.0m x 3.0m	
Laser Power	500W / 700W /1000W / 1KW / 2KW		
Max. Speed	30m/min		
Laser Type	IPG (Germany) / GW(American)		
Laser Cutting Head	WSX		
Laser Wave Length	1070nm		
X-dual Ballscrew	Yes		
Controller	CypCut		
Auto-tracking	BCS100		
Z Clearance	100mm		
Ref Cut Speed	500W:0.5mm(24m/min)		
Smoke Exhaust Zone	2 Zone		
Positioning Accuracy	0.03mm		
Servo System	YASKAWA		
Cooling System	Industrial Cooling System		
Weight	2.5 Ton	3.0 Ton	
Fiber Unit	IPG - 500W	IPG - 700W	IPG - 1KW
Cutting Thickness	SS - 3mm Carbon - 6mm	SS - 4mm Carbon - 7mm	SS - 6mm Carbon-12mm
Power	380V / 7KW	380V / 9KW	380V / 9KW



Digital Signage Systems

CKRRA 35, Kavaradi Road, Pettah PO

Trivandrum 695024, Ph: 2474770/11, 9447277700

info@dsssouth.in, www.dsssouth.in



www.dsssouth.in