

HIGHTECH

Fiber laser cutting machine

The HT-3015A has fully automatic focusing technology, and is equipped with intelligent tracking system, free nesting system.





Scientific design



Wide applicability



Output stability



Easy operation



Technological innovation



Quality assurance

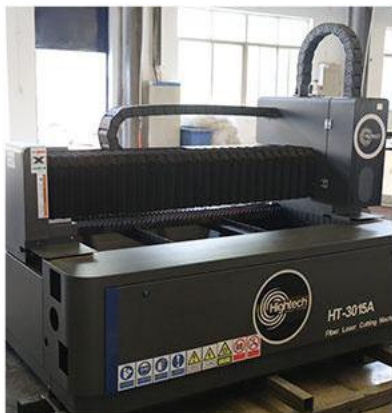
HIGHTECH

Four guarantees

Strong strength is worth choosing



Source manufacturer



Spot delivery



Quality assurance



Professional team

Fiber laser cutting machine

The bed is welded by precise welding process after annealing and aging treatment, and the beam is airborne aluminium castings.

$\pm 0.05\text{mm}$

Positioning accuracy

$\pm 0.02\text{mm}$

Repeated positioning

60m/min

Maximum speed

0.4G

Maximum acceleration



PRODUCT DETAILS

01

YYC guideway Racks and transmission system

High precision, long life, can provide rigorous support for quenching helical gears and grinding helical gears, so that the load drive structure is compact, can effectively reduce the driving torque.

02

Knife platform

Separate leveling device for each blade, good flatness of cutting width, convenient loading and unloading

03

High strength machine bed

High-strength machine tool, adopting 600°C high temperature annealing treatment, with integrated machine rigidity;

04

Strong Aviation Aluminum Beam

The use of aviation-grade high-strength aluminum alloy beams, light weight, low inertia Built-in triangular reinforced structure, strong rigidity, good shock absorption;



05

Raycus Laser Device

Electro-optical efficiency up to 35%; Multi-level security and high anti-protection; Power monitoring, the accuracy is improved to 3%



06

Raytools Laser cutting head

This kind laser head has a strong advantage on medium power large format fiber laser cutting application.



07

Hanli water chiller cooling system

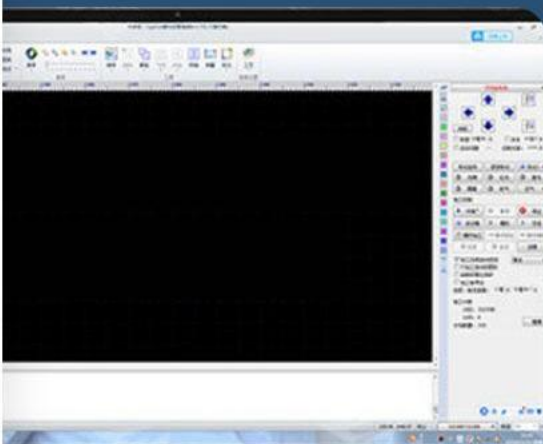
Large cooling capacity, stable performance, trouble-free, clean water quality, good heat exchange effect with fiber laser, and linkage signal to protect the laser.



08

FSCUT Control system

High precision, long life, can provide rigorous support for quenching helical gears and grinding helical gears, so that the load drive structure is compact, can effectively reduce the driving torque



PRODUCT INFORMATION

Item	Parameter			
	1KW	1.5kw	2kw	3kw
Work Area 3000*1500mm	3000*1500mm			
Weight	270kg			
X-axis Travel	1500mm			
Y-axis Travel	3000mm			
Z-axis Travel	80mm			
Positioning accuracy	±0.05mm			
Repeated positioning	±0.02mm			
Maximum speed	60m/min			
Maximum acceleration	0.4G			
Machine Total weight(KG)	1200			
Table maximum load(KG)	700			
Outline size (mm)	3900.5*2760*1650mm			
Power parameters	Three-phase AC380V 50Hz			
Protection Level of Total Power Supply	IP54			

LIST OF ACCESSORIES

FIBER LASER CUTTING MACHINE

NO.	NAME	UNIT	BRAND
1	Fiber laser	1set	Raycus/Senfeng
2	Laser head	1set	RayTools/Senfeng
3	Transmission	4set	Senfeng
4	Machine bed accessories	1set	Senfeng
5	Motor reducer	3set	SIEMENS/SMC/AIRTAC
6	Electrical and pneumatic	1set	
7	Server motor and driver	5set	
8	Water cooling	1set	Senfeng Mimir
9	Control system	1set	

CUTTING THICKNESS

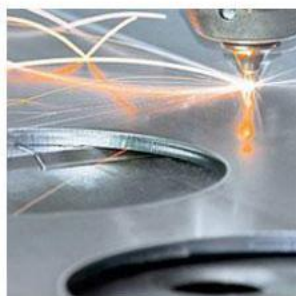
Material	Thickness (MM)	1KW	1.5kw	2KW	3KW
		Cutting Speed (m/min) (gas)			
Stainless Steel	1	18-20(N ₂)	23-30(N ₂)	30-35(N ₂)	30-45(N ₂)
	2	6.0-8.0(N ₂)	7.0-13(N ₂)	10-15(N ₂)	20-25(N ₂)
	3	2.8-3.5(N ₂)	4.5-5.5(N ₂)	5.0-6.5(N ₂)	8.0-10(N ₂)
	4	1.5-2.0(N ₂)	2.0-2.5(N ₂)	4.0-5.0(N ₂)	6.0-9.0(N ₂)
	5	0.8-1.0(N ₂)	1.4-1.8(N ₂)	2.0-2.3(N ₂)	
	6		1.0-1.2(N ₂)	1.5-2.0(N ₂)	3.0-3.5(N ₂)
	8			0.8-1.2(N ₂)	1.0-1.5(N ₂)
	10				0.6-1.0(N ₂)
	12				0.4-0.6(N ₂)
Carbon Steel	1	15-18 (N ₂)	25-28 (O ₂)	25-35(O ₂)	30-40(N ₂ /Air)
	2	5.0-7.0 (O ₂)	6.2-8.5 (O ₂)	10-15(O ₂)	15-17(N ₂ /Air)
	3	3.0-4.0 (O ₂)	3.5-5.0 (O ₂)	3.5-5.5(O ₂)	4.5-5.0 (O ₂)
	4	2.0-3.5 (O ₂)	3.5-4.0 (O ₂)	3.8-4.5(O ₂)	2.8-3.5 (O ₂)
	5	1.8-2.5 (O ₂)			
	6	1.5-2.2 (O ₂)	1.7-2.5(O ₂)	2.0-2.7(O ₂)	2.8-3.5(O ₂)
	8	1.0-1.5 (O ₂)	1.2-1.6(O ₂)	1.3-1.7(O ₂)	2.3-2.5(O ₂)
	10	0.8-1.0 (O ₂)	1.0-1.2(O ₂)	1.0-1.6(O ₂)	1.8-2.1(O ₂)
	12	0.6-0.8(O ₂)	0.8-1.0(O ₂)	0.8-1.2(O ₂)	1.4-1.6(O ₂)
	14		0.6-0.7(O ₂)	0.8-1.0(O ₂)	1.0-1.3(O ₂)
	16		0.5-0.6(O ₂)	0.7-1.0(O ₂)	0.7-1.2(O ₂)
	18			0.5-0.6(O ₂)	
	20				0.5-0.7(O ₂)
Brass	1	10.0-12.0 (N ₂)	12.0-13.0 (N ₂)	15-25 (N ₂)	25-35 (N ₂)
	2	4.5-5.0 (N ₂)	5.0-6.0 (N ₂)	8.0-11 (N ₂)	12-18 (N ₂)
	3	1.0-1.2 (N ₂)	1.5-2.0 (N ₂)	3.0-4.5 (N ₂)	6.0-8.0 (N ₂)
	4			1.3-1.7 (N ₂)	3.0-4.0 (N ₂)
	5		0.5-0.7 (N ₂)		1.8-2.0 (N ₂)
	6			0.6-0.8 (N ₂)	0.8-1.0 (N ₂)
Aluminum	1	13-17 (N ₂)	15-23 (N ₂)	20-25(N ₂)	30-35(N ₂)
	2	4.8-5.2 (N ₂)	6.0-8.0 (N ₂)	10-15(N ₂)	14-20(N ₂)
	3	1.2-1.6 (N ₂)	2.0-3.0 (N ₂)	4.0-5.0(N ₂)	8.0-10(N ₂)
	4		1.0-1.7 (N ₂)	2.0-2.5(N ₂)	5.0-7.5(N ₂)
	5		0.5-0.8 (N ₂)		3.0-3.5(N ₂)
	6			0.6-1.0(N ₂)	1.2-1.5(N ₂)
	8				0.7-1.0(N ₂)

Cutting Capability and Application

Carbon steel / Stainless steel / Aluminum alloy/ Brass/ Copper/Galvanized sheet/
Silicon steel /Sheet/Electrolytic sheet/Titanium alloy/Manganese alloy,etc



Application Industry



Sheet Metal Fabrication



Manufacturing industry



Refrigeration equipment



Mechanical processing



Elevator production



Advertising industry