



NICE-CUT

FIBER LASER CUTTING MACHINE QUOTATION



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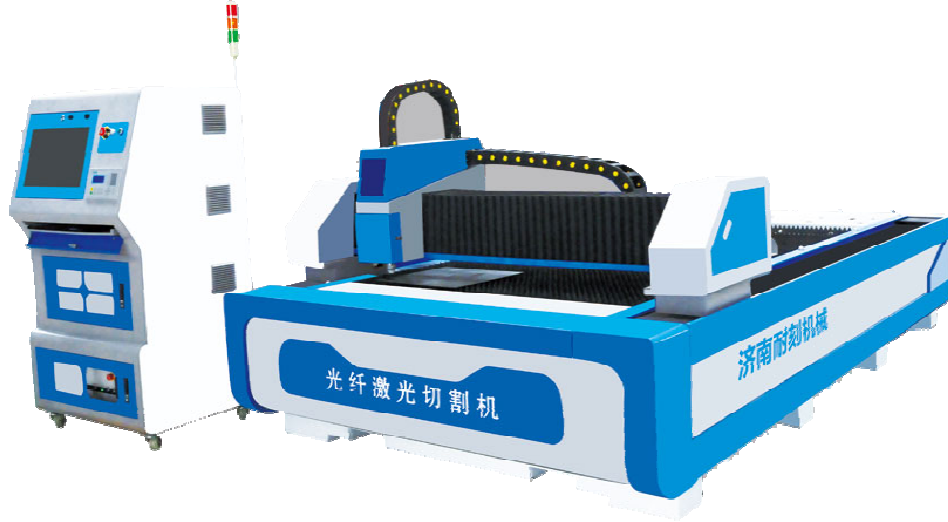
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Machine & Parts Picture



Raycus Laser Source



Au3tech Laser cutting head



850 W Japan Yasukawa Servo system



400 W Japan Yasukawa Servo



Germany WMH Rack Gears



Import 25 Liner Guide





Control System



Control handle



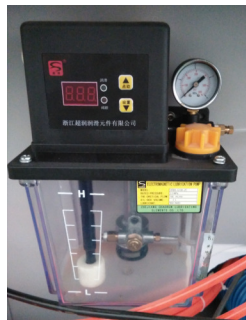
Blade working table



Thermal&Vibration agingSturdy welded bed



Oiling system



Funnel Smoke Hole





Assistant Equipment

6100 water chiller* 1 unit



750w exhaust fan*2 pcs



Cutting Capacity 1000W

Material	Material thickness (mm)	Speed (mm/s)	Air pressure (MPa)	Gas	Cutting height
Stainless steel	0.5	>400	1	Nitrogen	0.6
	1	280-350	>1.1		0.6
	2	90-120	>1.5		0.6
	3	35-50	>2.0		0.6
	4	15-25	>2.0		0.6
	5	10-15	>2.0		0.6
Carbon Steel	1	250-300	1	Oxygen	1
	2	85-100	0.5-0.8		1
	3	58-70	0.25-0.4		1
	4	38-45	0.15-0.2		1
	5	28-35	0.15-0.2		1
	6	20-30	0.10-0.15		1
	8	15-18	0.10-0.15		1
	10	10-12	0.10-0.15		1

Sample

Stainless Steel



Carbon Steel

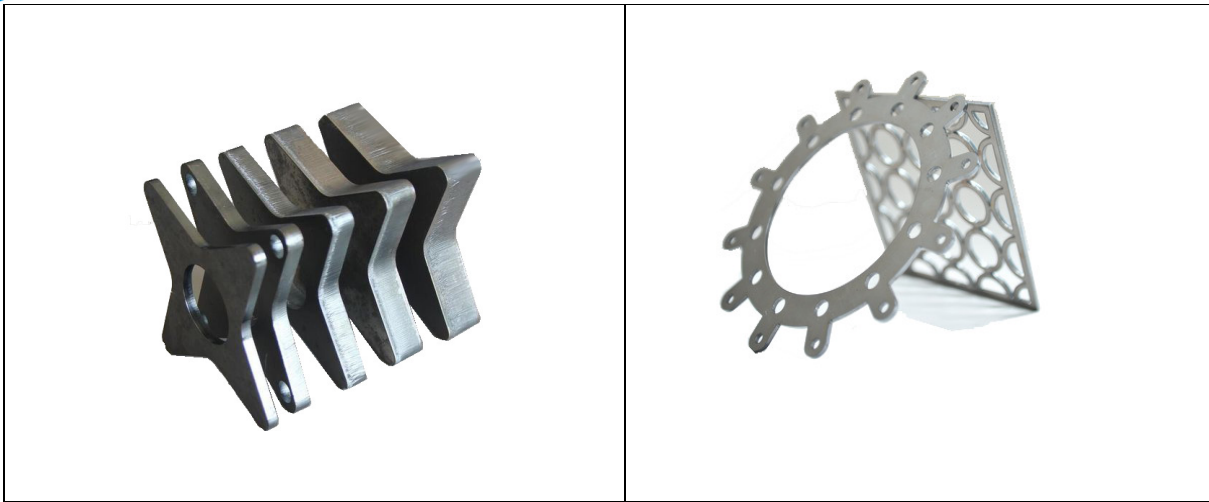




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Workshop:



Packing & Shipping:



Industry Applications:

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Used in medical microelectronics, spectacle frames, subway fittings, mechanical parts, handicrafts, hardware tools, advertising and sheet metal processing industries. Electrical equipment, electrical equipment, hotel kitchen equipment, elevator equipment, advertising signs, car decoration, sheet metal production, lighting hardware, display equipment, precision parts, metal products and other industries;

Features:

1/ Equipped with the sharp top end of the Raycus fiber laser.

Our fiber laser cutting machines are the highest level of the sharp domestic lasers, the performance is stable, the overall quality of the product security.

Fiber lasers are a new type of lasers developed in the world. It has the advantages of large heat dissipation area, good beam quality and compact size. Compared with the solid lasers, the gas lasers with large volume have obvious advantages, and have gradually developed into high Precision laser processing, laser radar systems, space technology, laser medicine and other important candidates in the field.

2/ The stability of the Z-axis automatic tracking system

Advanced capacitive non-contact automatic tracking system can automatically adjust the best focal length to ensure the best cutting effect of the entire board to avoid the material is not flat, the focal length changes caused by material scrapped.

As the cutting head equipped with non-contact sensing device, under the control of the system to achieve a stable Z-axis floating function, directly eliminate the uneven sheet on the cutting quality of the fiber laser cutting machine has a high cutting yield .

3/ Machine system:

X, Y, Z axis are imported from Japan servo motor, high precision, high speed, high torque, high inertia, stable performance and durability. To ensure that the machine's high-speed and acceleration.

The machine adopts dynamic gantry structure, imported high-precision rack and linear guide, smooth transmission, high precision machine configuration Bull-eye ball and hoist roller skating system, pushing plate effort, convenient bed and beam, the table are used as a whole Welding structure, to stress after annealing precision machining, and then vibration aging treatment, can completely eliminate the welding and processing stress, maintain high strength, high precision, can be maintained for more than 20 years of normal use without deformation.

Machine base: the use of high-quality steel and welded pipe frame structure, secondary aging treatment, large gantry milling machine precision machining, these design and processing tools to ensure that the machine has excellent shock resistance, high rigidity and stability.

4/The control system:

The use of advanced control system on the Cypcut, graphical interface, easy operation, and professional cutting control software can be free to design a variety of graphics and text, real-time processing, support CAD, CorelDraw and other professional graphics software. L Efficient, easy to operate CNC cutting system I Z-axis automatically increase the program With a special nesting software

CNC laser cutting machine adopts professional laser cutting automatic programming nesting software, with automatic programming, nesting, nesting, word processing, process settings and other powerful features, to maximize the sheet metal management and utilization.



Nesting software has the following functions and features:

- Import, micro join, cutting sequence, optimizing cutting path and optimization speed.
- Improved sheet utilization: part clearance layout, in-part nesting, symmetrical flip-flop layout, component rotation nesting, and avoidance of shape overlaps and collisions.
- Cusp processing: Internal / external corner processing, can be automatically identified and set.
- Powerful word processing: Entity word processing can be hollow words.
- Co-edge cutting optimizes cutting efficiency and increases sheet metal utilization.
- Handle sheet metal modules and quantity management.
- Processing and utilization of sheet metal excess material.

5/ The other advantages: the optical system uses a fully sealed structure, with optical preview and focus indicator, more beautiful appearance, easy operation; the machine is equipped with the latest external water cooling system, low noise, the machine for a long time to provide a reliable guarantee.

6/ Red light instructions

Fiber laser cutting machine with a red collimator, can help the operator to calibrate the laser cutting head in the plate on any position.

Characteristics

1/Excellent beam quality: focus spot smaller, more efficient, better processing quality;

2/ High cutting speed: co2 laser cutting machine is the same power 2 times;

3/ High stability: the first domestic fiber laser, stable performance, the key components of life up to 100,000 hours;

4/ High electro-optical conversion efficiency: fiber laser cutting machine than co2 laser cutting machine electro-optical conversion efficiency 3 times higher, energy saving and environmental protection;

5/The use of very low cost: machine power consumption is only 20-30% of similar co2 laser cutting machine;

6/ Very low maintenance costs: no laser working gas; fiber transmission, without reflective lenses, can save a lot of maintenance costs;

7/The product easy operation and maintenance: fiber optic transmission, no need to adjust the optical path;

8/ Super flexible light guide effect: small size, compact structure, easy to flexible processing requirements.

Why us:

1. One year quality guaranty, the machine with main parts (excluding the consumables).
2. Life-long maintenance.
3. Free training course at our plant or long-distance.
4. 24 hours on line service each day, free technical support.
5. Machine is adjusted before delivery.
6. More than 10 years' experience, quality assured, stable supply.
7. The new and old customers with preferential.
8. We are seeking agents and dealers all over the world.