



Wuxi Qingyuan Laser technology Co., Ltd.

www.qy-lasers.com

QY Laser is a manufacturer dedicated to only fiber laser cutting machine for 1000w to 15000w since 2008.

3000w Two Chucks Pipe cutting machine

A: Model: QY-LCF3000-0260YI





Quotation for 3000w laser cutting machine

No:-----

To:

Date: April, 2022

Basic Features						Offer
Name	Laser power	Laser Source	Cutting head	Pipe requirment	Quantity	Total FOB Shanghai Price
Fiber laser pipe cutting machine	3000w	IPG	Raytools cutting head	Max. Length:6m Round pipe: 20-250mm Square pipe: 20*20-170*170mm	1 set	USD75000

1. Terms of shipment: FOB Shanghai, China
2. Terms of payment: 30% TT deposit and balance before shipment
3. Shipment Time: 75 days after receipt of 30% TT deposit, the exact production time depends on the production line when order is placed;
4. Validity of offer: 30 days, after that date our quotation is subject to reconfirmation.
5. Container Loading: 1*40GP



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Part A FACTORY SHOW





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Part B QY Laser machine range

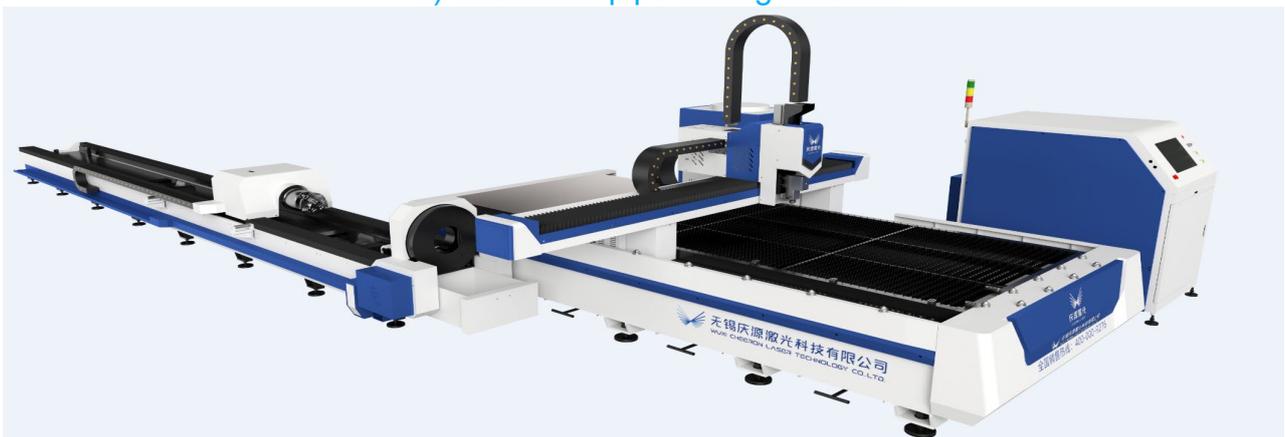
A) Sheet cutting machine (automatic loading and unloading for option)



B) Pipe cutting machine (three chucks)



C) Sheet and pipe cutting machine



D) Coil fed steel cutting machine





1. 3000w pipe cutting machine Photo



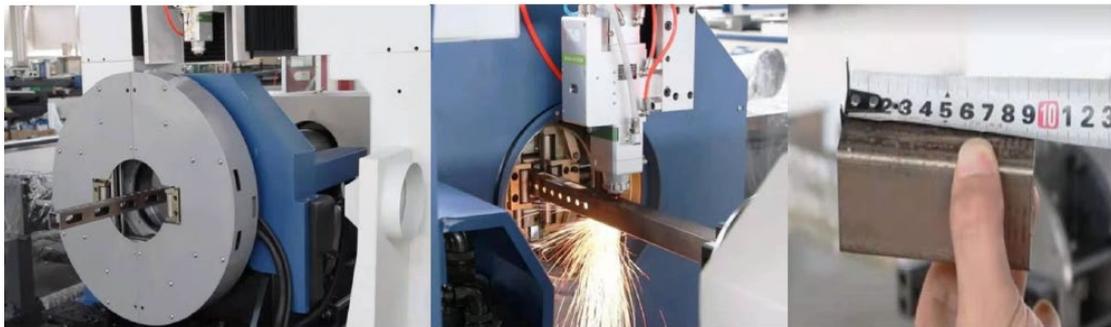
Machine details

250mm chuck



220mm chuck

Mini tailing: 100mm



Front Chuck can move forward (over the cutting head) for reducing wastage





Technical Specifications

CONFIGURATIONS				
Items	Main parts	HD image	Brand	Original
1	3000W Laser Generator		IPG	German Brand
			Raycus	China Brand
2	Lubrication system		QY	China
3	Laser cutting head		Raytools (AUTO FOCUS)	Switzerland
4	Reducer(Gear box)		Motovario	France
5	Water chiller		Hanli	China
6	Rack and Pinion		ROR	German
7	Guid Rail-X/Y axis		linear guide rail	Taiwan, China
8	Solenoid Valve		Airtac	Taiwan, China



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9	Proportional valve for O2		SMC	Japan
10	High precision following		BSC100	China
11	Industry PC		Nodka	China
12	X axis servo and Motor		Delta	Taiwan, China
13	Y axis servo and Motor			
14	Z axis servo and Motor			
15	Control System	Software: Tubepro Controller: FScut3000 3D Drawing file format: iges from solid works, Autocad 3D or related programmer	English language	Friendess, China
16	Nesting software		Nest-drawing processing, nesting, tool path generation and remote task transmission etc.	
17	Electrical components		Schneider	France
18	Table Production		steel plate welding	QY, China
			Anti-rust paint treatment	
			Annealing-remove stress	
			Milling machine processing -ensure the accuracy of guide rail	
			Painting	
Testing by API LASER interferometer, to ensure the accuracy				



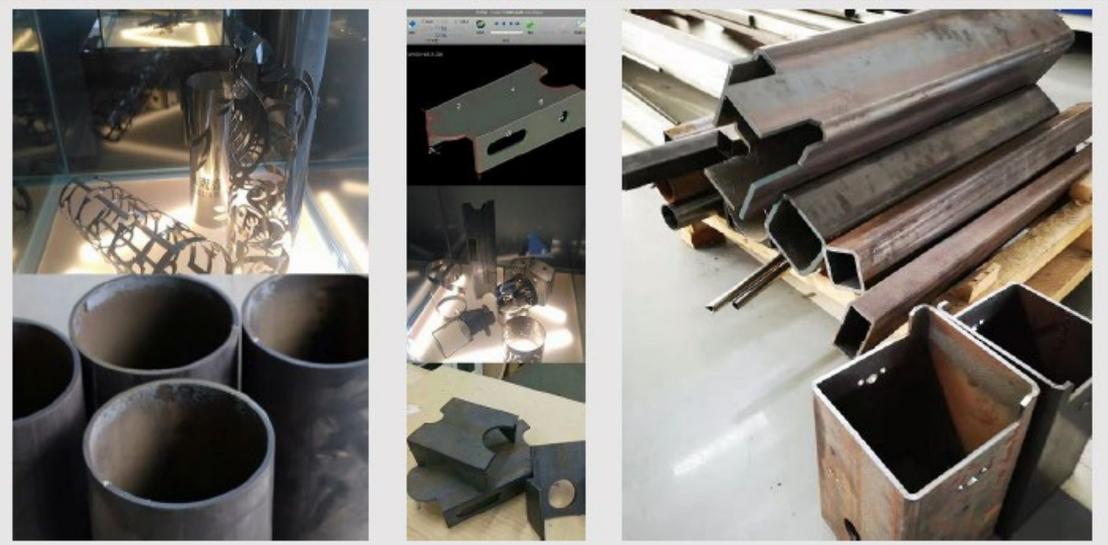
Machine PARAMETERS		
1	Laser Wavelength	1070nm
2	Maximum Laser Power	3000W
3	Laser Repeat Frequency	CW
4	Max Acceleration	0.8G
5	Min Linewidth	0.15mm (for materials with thickness less than 0.4mm)
6	Y axis Max.positoning Speed	60m/min
8	Pipe area	Round pipe: 20-250mm Square pipe: 20*20-170*170mm
9	Pipe length	Max: 6000mm
10	Max single pipe loading weight	200kg
11	X Stroke	200MM
14	Y Stroke	6700MM
16	Z Stroke	265MM
17	Two Chucks	Front and back: Pneumatic
18	Max. cutting rotation speed	100rpm
19	Min. tailing	280mm
20	Positioning accuracy	±0.08mm
21	Repeat positioning accuracy	±0.05mm
22	Layout(L*W*H)	9300mmx2800mmx2600mm
Power parameter		
25	Phase	3
	Rated Voltage	380V
	Frequency	50/60HZ
	Power consumption	About 21kw
	Total power protection level	IP54

2. Cutting samples

Suitable for cutting: Round pipe

Square pipe, rectangle, oval

Triangle, U sharp and so on



3. QY laser cutting machine advantages

3.1. Steel plate welding table

Using the finite element and the dynamic simulation analysis of the high-strength bed, the deformation of the beam is less than 0.015mm under working with higher acceleration and the stress are eliminated by the T6 heat treatment

Table production:



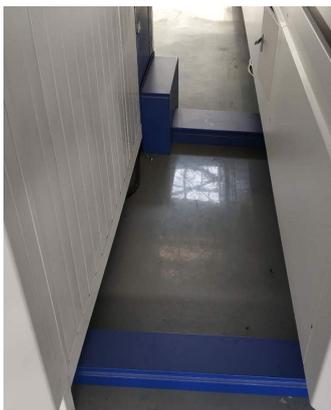
1. Table steel welding
2. 600°C Heat Treatment
3. Anti-rust painting
4. Import gantry mill grinding
5. Painting again
6. America Import API laser interferometer test

3.2. Cooling cabinet

With all electrical components, PC, laser source inside the control box, which will keep the machine working stably even 24 hours continued working, prolong lifetime of electrical parts and laser source, dust isolation, fire proof.



3.3. Steel cover to put all pipes and electric wires inside for protection.



4. Packages and loading to container

All the parts packaged with twining cotton and then fixed to the container

