

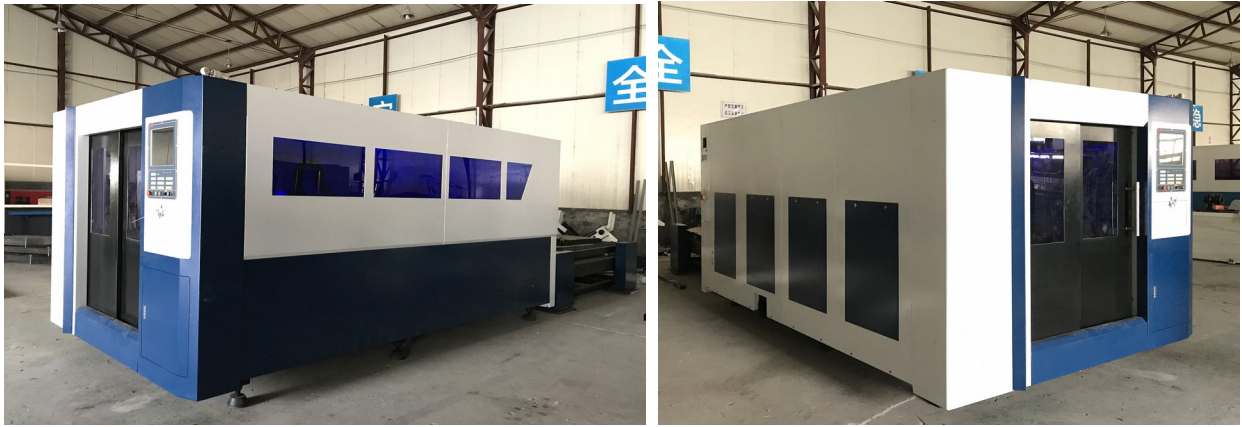
JLASER IBERIC STUDIO SL

QUOTATION

Modelo	Configuracion	Valor
1530Doble	Laser source: Raycus 3.3KW Controller : Fscut Software: CypCut Cooling system: Tongfei Chiller Cutting head: Raytool (Swiss) Working area : 1500x3000mm Double Table: Automatic Pallet changer with electric changing way	247.670 €
1530Doble	Laser source: IPG 3.0KW (USA) Controller : Fscut Software: CypCut Cooling system: Tongfei Chiller Cutting head: PRECITEC (Aleman) Working area : 1500x3000mm Double Table: Automatic Pallet changer with electric changing way	325.800 €

JQ1530





Laser main feature



JQ-1530/3015 fiber laser cutting machine adopts IPG laser device which has international advanced laser technology. Equipped with efficient transmission system by Taiwan high-precision gear rack after grinding process and high-precision linear guide. Advanced Cypcut control system, group into high precised CNC fiber laser cutting machine.

Mainly applicable for carbon steel, stainless steel, mild steel and aluminum pipe cutting and molding. With advantage of High speed, High precision, High efficiency and High cost performance. This model is metal processing industry's first considering metal cutting machine.

Machine Model:	JQ3015			
Cutting size	1500x3000mm*2			
Laser power:	Fiber 3300w RAYCUS			
Cutting thickness:	Laser Power	Stainless steel	Carbon steel	Copper/ Aluminum
	1000w	0.2-6mm	0.2-12mm	0.2-3mm
	2000w	0.2-8mm	0.2-16mm	0.2-4mm
	3000w	0.2-10mm	0.2-20mm	0.2-5mm
X. Y axis positioning accuracy:	±0.02mm			
Min Cutting Line Width:	0.02mm			
Max moving speed:	80m/min			
Electricity requirements :	380V, 50Hz/60Hz			
Load of worktable	1000kg			
Net Weight:	11000kg			

Laser source: RFL-C3300

The high-power multimode continuous fiber laser series product is completely researched, developed and produced by Raycus itself. The R&D and production team of the company has great innovation capacity, so as to make this series meet customers' demands to the greatest extent. Output optical system of the product applies reinforced armored output fiber, with output connector of QBH, better facilitating customers' configuration. This series product, with dynamic work range of 10% - 100% of the rated output power, electro-optical conversion efficiency higher than 25% and the modulation working frequency up to 20kHz, can meet the demands of most application scenarios, with multiple control modes. Its good compatibility has been widely recognized by the market. The product has been well sold at home and abroad.

Characteristics:

High electro-optical conversion efficiency

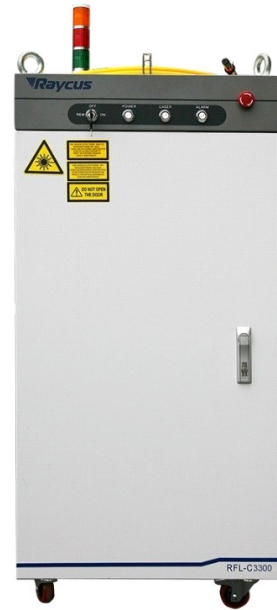
Customized output fiber length

QBH connector

Maintenance-free operation

Wide modulation frequency range

Small size, easy to install



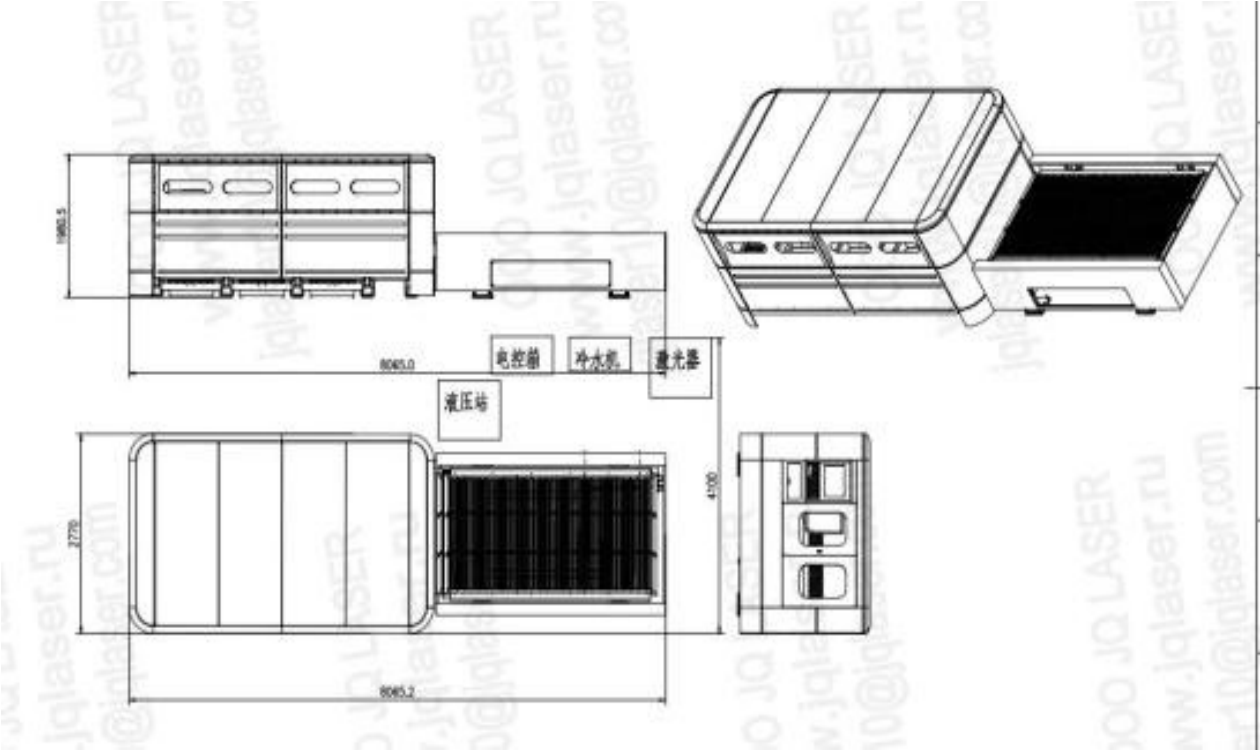
Raytool laser cutting head

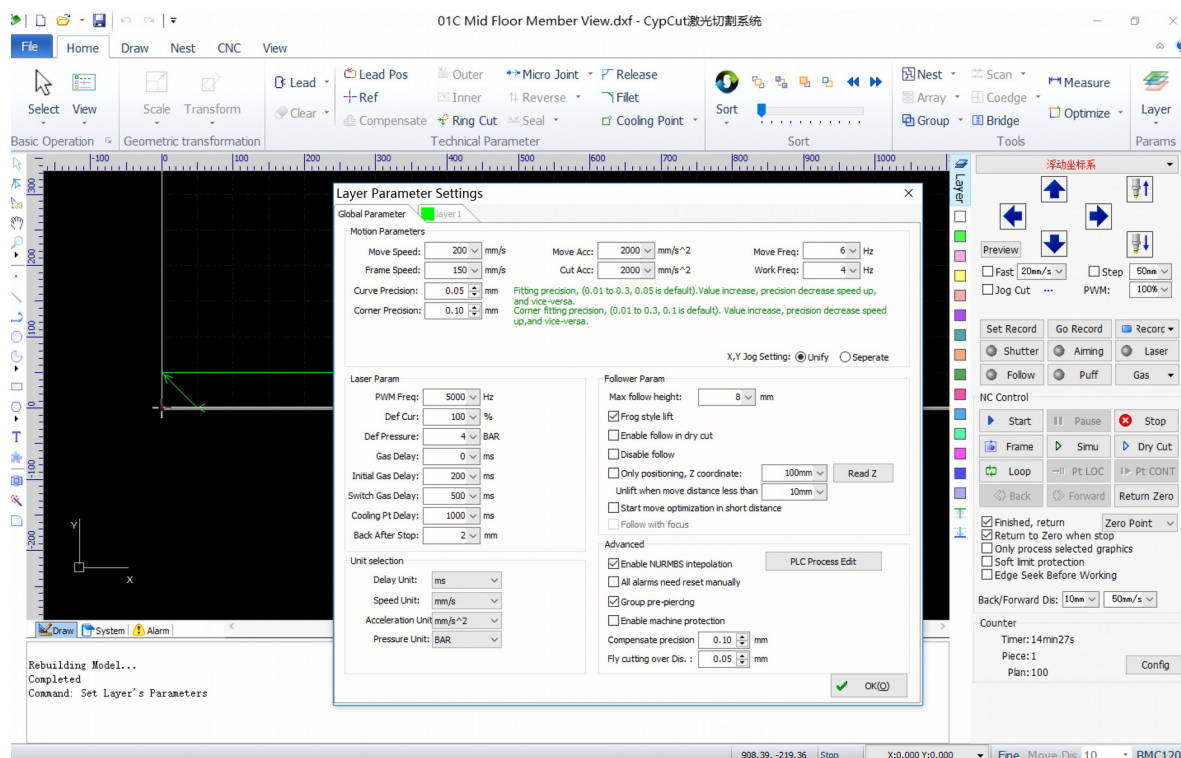
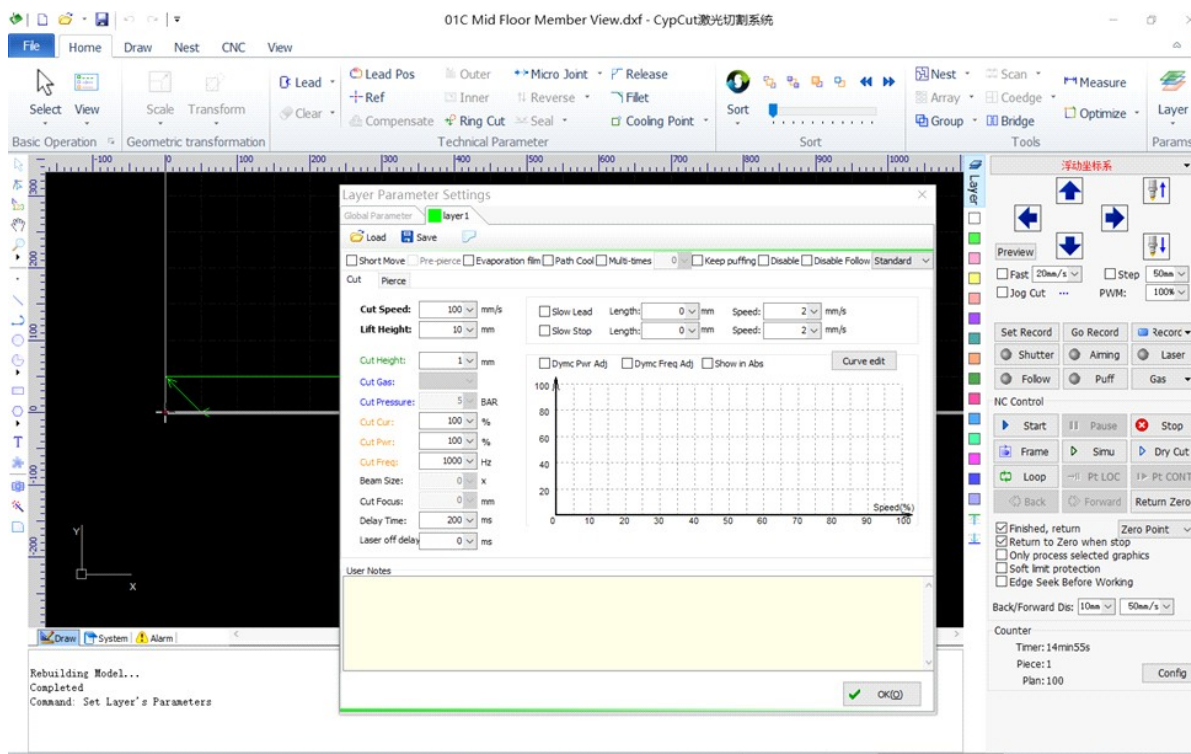
product features of laser cutting head

- Optimized optical configuration and smooth and efficient airflow design;
 - Knob focus adjustment, fine adjustment and flexible, adjustable range of 20mm, accuracy of 0.05mm;
 - The use of drawer-type lens holder, making protection lens replacement fast and easy;
 - Collimator lens and focusing mirror are water-cooled structure. so it can withstand the highest 4KW power;
 - Collimation and focusing can be used composite lenses for optimal optical quality and cutting results;
 - With a variety of optical interface, with a variety of fiber lasers to adapt;
- Modular design, with collision protection or air knife can be added, cutting and welding easy conversion;
- Use slender nozzle connector can be used for three-dimensional cutting;
 - Optional magnetic collision protection module. It can easily achieve a reliable separation of the cutting head and machine tools in the event of a collision. And the output signal will stop in time.



Machine Layout





Software

With Fscut Control system and software with English language, applicable insert files with DXF. Or AI format for metal sheet cutting. Software with fly cutting mode for cutting same products for save using time. The advantage for this software is not need extra nesting software. It is easy operation which can meet most metal sheet cutting work.

Technical Parameters

No.	Items	Parameters	Unit
Laser device			
1	Type	Fiber laser	
2	Power	3.3	kw
Body			
4	max. cutting speed	48	m/min
5	fast moving speed	80	m/min
6	Max. load of worktable	500	kg/m²
7	X,Yaxis max.acceleration	1	g
8	Machine occupy space	3240*8400	mm
10	Weight of machine tool	10	Tons
11	Motor	Panasonic servo motors	
Accuracy			
12	X,Y-axis positioning accuracy	±0.02	mm
13	X,Y-axis repeat positioning accuracy	±0.01	mm
16	Voltage	380	V
Software			
17	software	Fscut controler with Cypcut software.	
18	Graphic Format Supported	DXF/AI for sheet cutting	

Cutting Speed Chart

RFL-C3300 Cutting Parameter			
Material	Thickness(mm)	Speed(m/min)	Gas
Stainless Steel	1	25-40	N2
	2	18-20	
	3	8-10	
	5	3-4	
	6	2.2-3	
	8	1.2-1.5	
	10	0.5-0.8	
Mild Steel	1	25-30	O2
	3	3.5-4.5	
	6	2.2-2.8	
	8	1.6-2	
	10	1.1-1.4	
	12	0.9-1.1	
	14	0.8-0.9	
	16	0.7-0.8	
	18	0.65-0.7	
	20	0.55-0.65	
Aluminum	1	25-40	N2
	3	8-10	
	6	1.6-2	
Brass	1	25-35	N2
	2	12-15	
	3	6-8	
	4	3-4	
Copper	1	15-20	O2
	2	8-10	

Warranty:

Whole Machine Warranty: 2 years

Laser source warranty: 12 months

Consumption parts like lens will not included in the warranty

Consumption:

Electrical consumption:

Equipment components	Power consumption (KW)	Total
Laser source	11	34KW/H
Machine bed	17	
Water chiller system Smoke Filter system	6	

El consumo normal en funcionamiento estará 18Kwh-26Kwh

Gas:

Gas type	Air cost	Using time	Total consume	Cutting effect	Note
Oxygen	60€/Bottle	1 hour	4€/H	Black edge	Take 1mm carbon steel as example
Nitrogen	65€/Bottle	30 minutes	6€ /H	White edge	Take 1mm stainless steel as example

Spare parts:

name	Life time (hour)	Unit price	Note
Protect lens	>=800	124 €	If the working area is better, the machine life time will be longer
Copper nozzle	>=800	95 €	
Focus lens	>=6000	1640 €	

Training:

laser Iberic studio suministrará 7-10 días de entrenamiento en conjunto con vosotros trabajando.

La estada del técnico es a cargo del cliente.