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QUOTATION

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NEW MISTRY AND CO.

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Inside Batliboi Circle, Pandesara Surat-394221, GUJARAT, INDIA.

M/S. :			Q. DT :
GST :	APPLICABLE		Q. NO. :
No.	MACHINE DISCRIPTION	QTY.	TOTAL INR AMOUNT
1	FIBER LASER CUTTING MACHINE 1.5 Kw MAX 10*5 Feet # 1.5Kw MAX # Raytools BM110 Autofocus Laser Head # Cypcut 2000C Control System # S & A Water Chiller # Leadshine Servo Motor # Motorducer # Taiwan Rail # Taiwan Rack # 380V 3PH 50/60Hz	1.00	₹
TRANSPORT CHARGE EXTRA TO CUSTOMER FACTORY PAYMENT 100% ADVANCE BEFORE DISPATCH		ADD 18% GST	₹
		FINAL AMOUNT	₹

MACHINE
PICTURE



INSTALLATION ENGINEER FOOD & LODGING
ARRANGEMENTS AND CHARGES SHOULD BE
MADE BY THE BUYER CLIENT. WHILE TO &
FROM TICKET CHARGES BY OUR SIDE.

इन्स्टोलेशन इंजीनियर का ठहरने और खाने का व्यवस्था
एवं खर्च मशीन लेने वाले ग्राहक पर रहेगा, और आने
जाने का खर्च हमारे तरफ से होगा.



GST BANK DETAILS

NEW MISTRY AND COMPANY

YES BANK	A/C NO. 136084600002023	IFSC : YESB0001360	RING ROAD SURAT BR.
KOTAK BANK	A/C NO. 9574855525	IFSC : KKBK0002850	LALGATE SURAT BR.



The 3015 fiber laser cutting machine produced by our company adopts a 1500W fiber laser and is equipped with a high-precision rack and guide rail transmission mechanism. It is a precision CNC fiber laser cutting machine assembled through an advanced CNC system. The characteristics of this device are as follows:

- 1) The bed body is welded from steel plates and undergoes heat treatment to ensure rigidity, high precision, long service life, beautiful appearance, and compact structure.
- 2) The electrical components and servo drives are sourced from top brands such as Delixi and SMC, ensuring stable, reliable, and responsive operation of the entire machine.
- 3) The integrated structure of equipment and control cabinet saves land and fully utilizes space.
- 4) Adopting the Windows operating system and equipped with a fiber optic dedicated CNC system - Empower System, it has powerful functions, user-friendly interface, and easy to operate. Industrial control computers can be equipped with CAD/CAM, which facilitates drawing and programming in production and maximizes material savings.

Equipment Configuration List

Project	Brand and specifications	Specific Model
Main Bed	Future Laser	3015
Laser Generator	Raycus/MAX	1500W
Laser Cutting Head	BOCHU/Empower	BOCHU310/BM110
Linear Guide Rail	HIWIN	30H
Rack and Pinion	YYC	2 Mold
Servo Motor and Driver	HCFA	0.4kw*1+1.3kw*2+0.85kw*1
Reducer	Shimpo	Precision Planet
Control System	BOCHU/Empower	2000E/ XC3000S
Water Chiller	S&A	1500W
Pneumatic Unit	SMC	Complete set
Electrical	DELIXI	

Note:

1.If the customer purchases the above device themselves, they must purchase the designated brand and model; If the brand is changed arbitrarily, the impact on the overall performance of the machine is the responsibility of the customer.

2. The warranty period for the entire equipment (excluding vulnerable parts and consumables such as conductive fibers and lenses, as well as non force natural disasters, wars, illegal operations, and human damage) is 2 years.

Equipment Technical Parameters

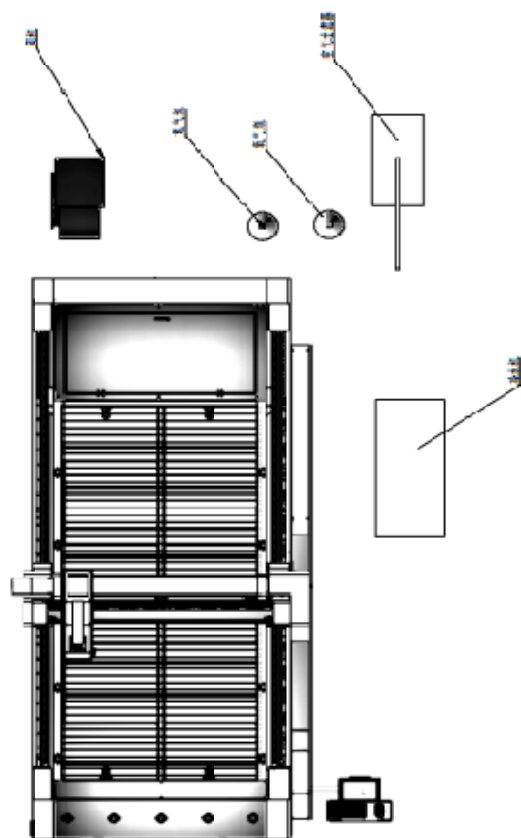
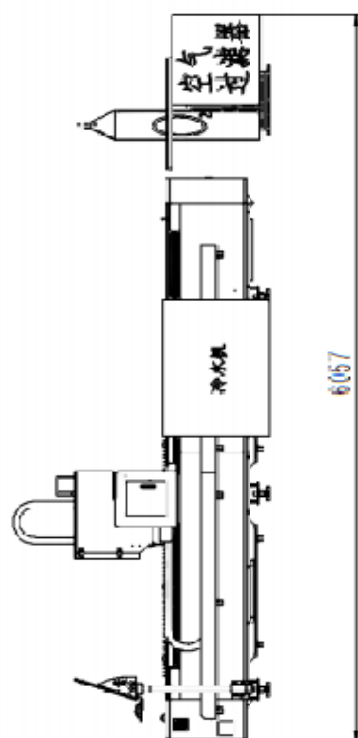
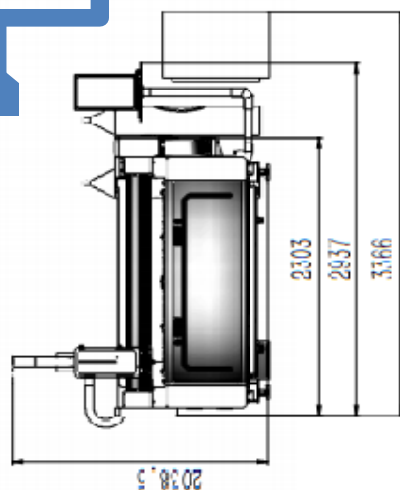
Performance Index	Parameter
Machine range	3000mmx1500mm
X-axis stroke	1510mm
Y-axis stroke	3050 mm
Z-axis stroke	100mm
Positioning Accuracy	0.05mm
Repetitive positioning accuracy	0.03mm
Maximum positioning speed	65m/min
Maximum acceleration	1G
Whole machine weight	≈2.5T/2.7T
Maximum payload	800KG
Equipment external dimensions	≈4.6/5.6mX2.3mX2m
Power	380V/50HZ
Overall Power Consumption	24KVA
Protection grade	IP54

Note:

The accuracy that can be obtained from the workpiece depends to some extent on factors such as the workpiece type, pre-processing conditions, plate size, and the position of the plate in the working area. The above parameters are subject to change without notice, and the final technical parameters shall be subject to the actual order agreement.

设备布局图

Equipment layout



主要配置说明

Configuration description

1. Bed frame

The bed is welded from steel plates, subjected to annealing to eliminate internal stress, and then rough machined. After secondary vibration aging treatment, it is precision machined, which effectively solves the stress caused by welding and processing, greatly improving the stability of the machine tool.



2. Beam

To achieve extremely strong rigidity and strength, ensuring the accuracy requirements for the installation of the crossbeam guide rail and rack, and ensuring the stability of the operation of the motion module.

3. Transmission device

X. Both the Y and Z axes are equipped with high-performance servo motors, high rigidity precision planetary gear reducers, grinding gears and racks, high-precision linear guides, and precision lead screws, effectively ensuring the accuracy of transmission.



4. Gas and water systems

The gas path of the fiber laser cutting machine has two parts, one is the cutting gas provided to the cutting head: clean Dry compressed air, nitrogen, oxygen; The other part is auxiliary compressed air, which is used for partitioning cylinders and clamping cylinders of workbenches during ventilation.

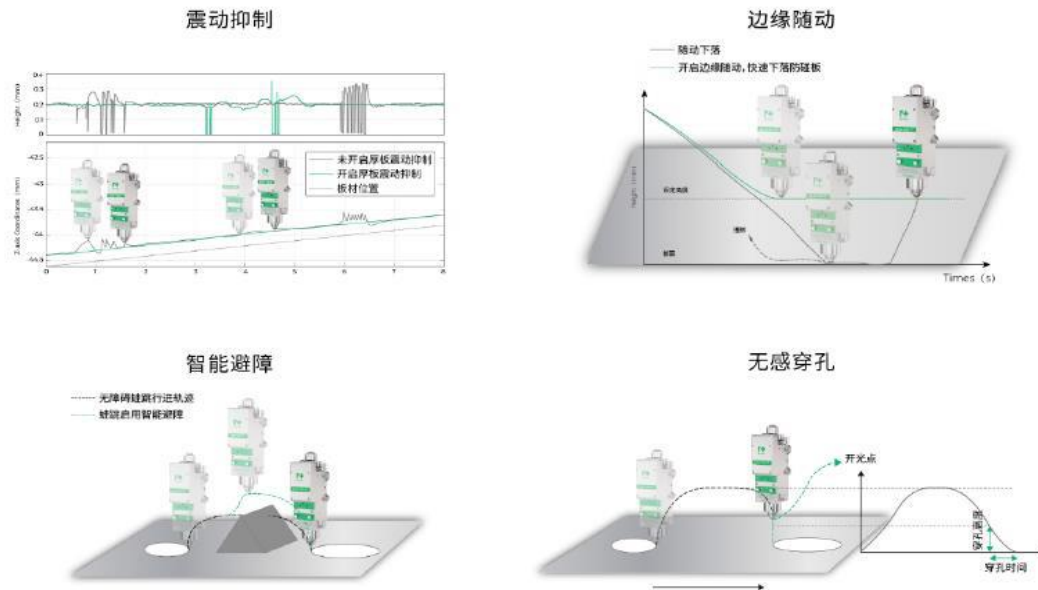
The cutting gas is divided into three types: nitrogen, oxygen, and air, and these three gases can be freely selected through an electromagnetic proportional valve.

The water system of the fiber laser cutting machine mainly includes two parts: the cooling water comes out of the chiller unit and enters the laser in two paths, one path enters the cutting head of the laser machine to cool its QBH; Enter the interior of the fiber laser all the way and cool it down; Return to the chiller after circulation.

5. Intelligent operating system

With automatic nesting function, stable performance, fast operation, support for multiple common file formats, DXF, PLT... A simple and fast operating system, one click import of multiple types of cutting graphics, accurate cutting instructions, making the user experience more excellent.

Its characteristics are as follows:



6. Wireless joystick control operation is simpler and more efficient

Easy to operate, the machine can be remotely controlled for cutting, perforation, movement, calibration, emergency stop and other operations.



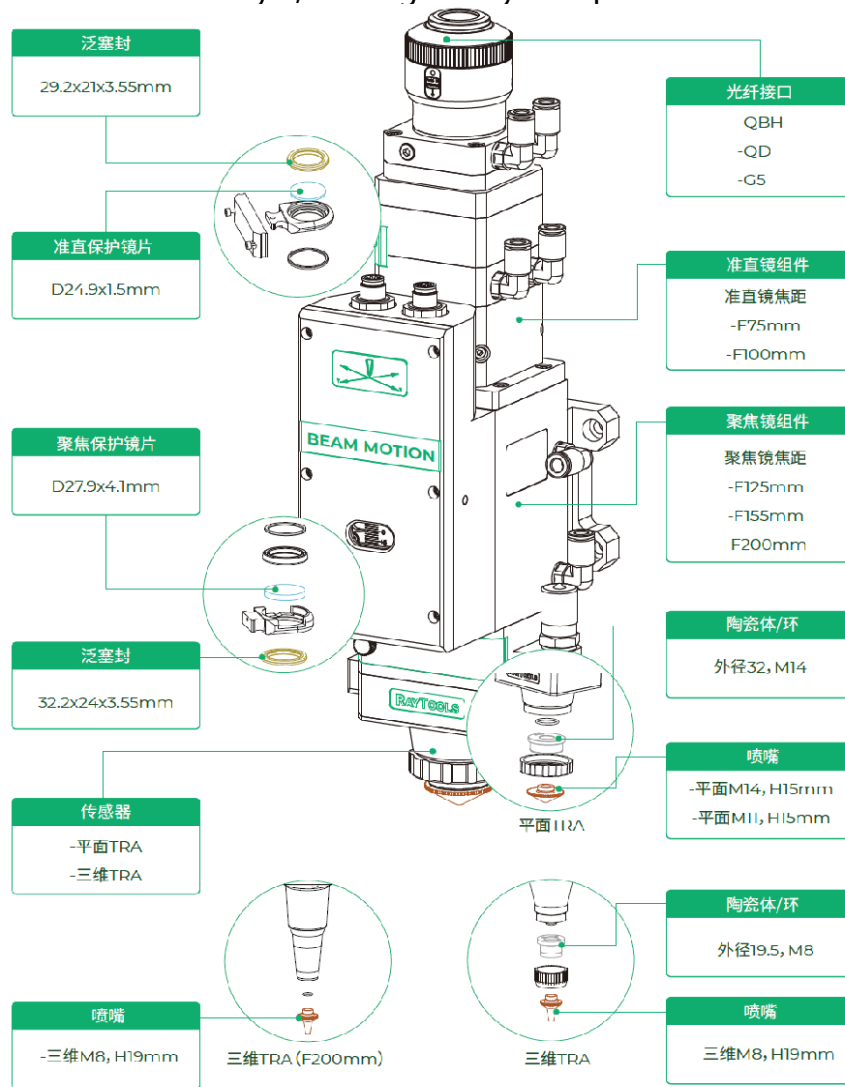
7. Laser

Adopting well-known domestic brand fiber lasers. Raycus/MAX Laser is committed to providing high-performance, high-quality, and cost-effective fiber laser and device integration solutions, as well as professional and comprehensive service experiences in the global laser field. At present, the company's sales and service network covers multiple countries and regions including Asia, Europe, the Americas, and Oceania



8. Laser cutting head

Stable and reliable technology; The internal structure of the laser head is completely sealed, which can prevent the optical part from being contaminated by dust. The laser head adopts two-point centering adjustment, and the focusing is driven by an imported motor, which significantly improves the efficiency in perforation; The protective lens is installed in a drawer style, making it easy to replace.



9. Water cooling system

Adopting a special dual temperature and dual control chiller; The chiller is capable of cooling both the laser and the laser head simultaneously. It adopts a dual temperature and dual control mode to provide an effective temperature control solution for the fiber laser in all aspects. At the same time, users can manually set the water temperature or switch to the intelligent temperature control working mode according to their actual needs.

Main features of laser chiller:

1. Environmentally friendly refrigerants can be selected;
2. The temperature control accuracy can reach $\pm 0.5\text{ }^{\circ}\text{C}$;
3. The intelligent temperature controller of the laser chiller has two temperature control modes, suitable for different usage scenarios; There are multiple settings and fault display functions;
4. Dual temperature and dual control mode, meeting the different cooling needs of the fiber laser body and lens;
5. It has multiple alarm protection functions: compressor delay protection; Compressor overcurrent protection; Water flow alarm; Temperature over high/low alarm;
6. Multi country power specifications; CE, RoHS, REACH certification;
7. Long life and durability, easy to operate;
8. Optional heater and purified water quality configuration.



设备特点

Equipment features

The bed body adopts a steel plate welded structure, with a strong structure and long-term use without deformation. The high-performance manganese steel material is welded to the crossbeam, which has better mechanical properties than the aluminum crossbeam. It is driven on both sides and stable and firm; Imported gear racks and guide rails ensure the accuracy of the entire machine does not decrease. Renowned brand servo motors are used for high precision, high speed, stable and durable performance, ensuring the high speed and acceleration of the entire machine; Control the long-term service life of the machine; Intelligent cutting CNC system, realizing automatic edge inspection, automatic focusing, automatic cutting, convenient and fast, improving work efficiency. Support cutting of various metal sheets such as carbon steel, stainless steel, copper plate, aluminum plate, galvanized plate, alloy steel, etc.

切割样品展示

Sample display

The advantages of fiber laser cutting machine, such as high cutting accuracy, high efficiency, no burrs, and one-time forming, are all the reasons why fiber laser cutting machine is perfectly suitable for sheet metal cutting.

