

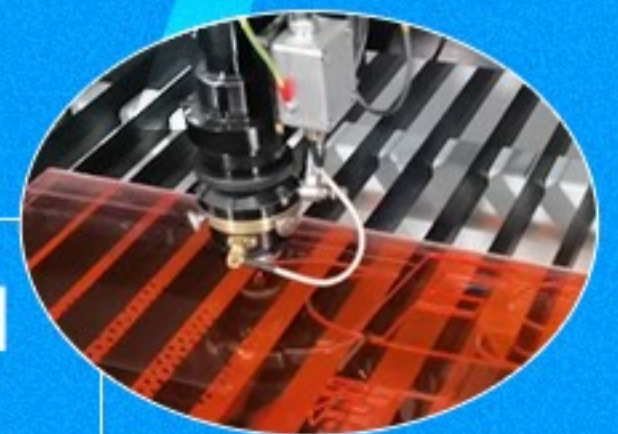
FST-1325

MIXED LASER CUTTING MACHINE

Can cut stainless steel, carbon steel, mild steel, also can cut acrylic,
wood, MDF, PVC board, paper, fabric, etc.



CUTTING Metal and nonmetal



MAIN FEATURES

MIX  CUT

- ① Mix Cutting: It supports both Metal and Non-Metal Cutting, can cut stainless steel, carbon steel, mild steel, also can cut acrylic, wood, MDF, PVC board, paper, fabric, etc.

- ② Adopt 150w / 180w / 260w / 300w Laser Tube, high power.

- ③ Dynamic Auto-Focusing Metal Sheet Laser Cutting Head: When the metal sheet is not plain, the dynamic focus laser cutting head can adjust the focusing distance automatically.

- ④ Advanced LCD Touch Screen+ USB port+ DSP Offline Control: which can not only work without computer, but also connect to U disk, USB communication.

- ⑤ Matched Professional cutting software: MetalCut, is particularly designed and written for both metal and non-metallic cutting, with high compatibility, support Windows operating system.

MACHINE PARAMETERS

MIX  CUT

Machine description:	FST-1325 Laser Machine
Work area size	1300*2500mm
Laser type:	Hermetic and detached CO2 laser tube
Laser power:	150w/180w/220w/300w
Cooling mode:	Circulating-water-cooling
Power adjustment:	0-100% controlling, no segment and adjusting by software
Machine control and drive:	Speedy DSP controlling, stepper motor
Max engraving speed:	60000mm/min
Max cutting speed:	50000mm/min
Repeating location:	0.01 mm
Minimum character:	Chinese character: 1.5mm; crisscross-row: 1 mm
Working voltage:	AC 220V 50Hz / 110V 60Hz
Working environment:	Temperature: 0-45°C, Humidity: 5%-95%, and congeal-water removed
Controlling software language:	English, Chinese
Dictate format:	*.plt,*.dst,*.dxf,*.bmp,*.dwg,*.ai,*las, Support AutoCAD,CoreDraw direct outputting

APPLICATION

MIX  CUT

Advertising industry (stainless steel and acrylic), sheet metal industry (carbon steel), packaging industry (die board, plywood), arts and crafts, awards and trophies, paper-cutting, architectural models, lights and lamps, electronic appliances, photo frame and album, garment leather and other industries.



INDUSTRY
APPLICATION INDUSTRY

Stainless steel, carbon steel, Titanium plate, die board, acrylic, plywood, MDF and other materials.

MATERIALS
APPLICABLE MATERIALS



Metal spectacle frame, furniture plate cutting, MDF photo frame cutting, building model cutting, etc.

SHOW
APPLICAION SHOW



Cutting Stainless Steel



Cutting Carbon Steel



Acrylic Cutting



Acrylic Engraving



Paper Cutting



Mdf cutting



Wood Cutting



Wood Engraving



Leather Cutting



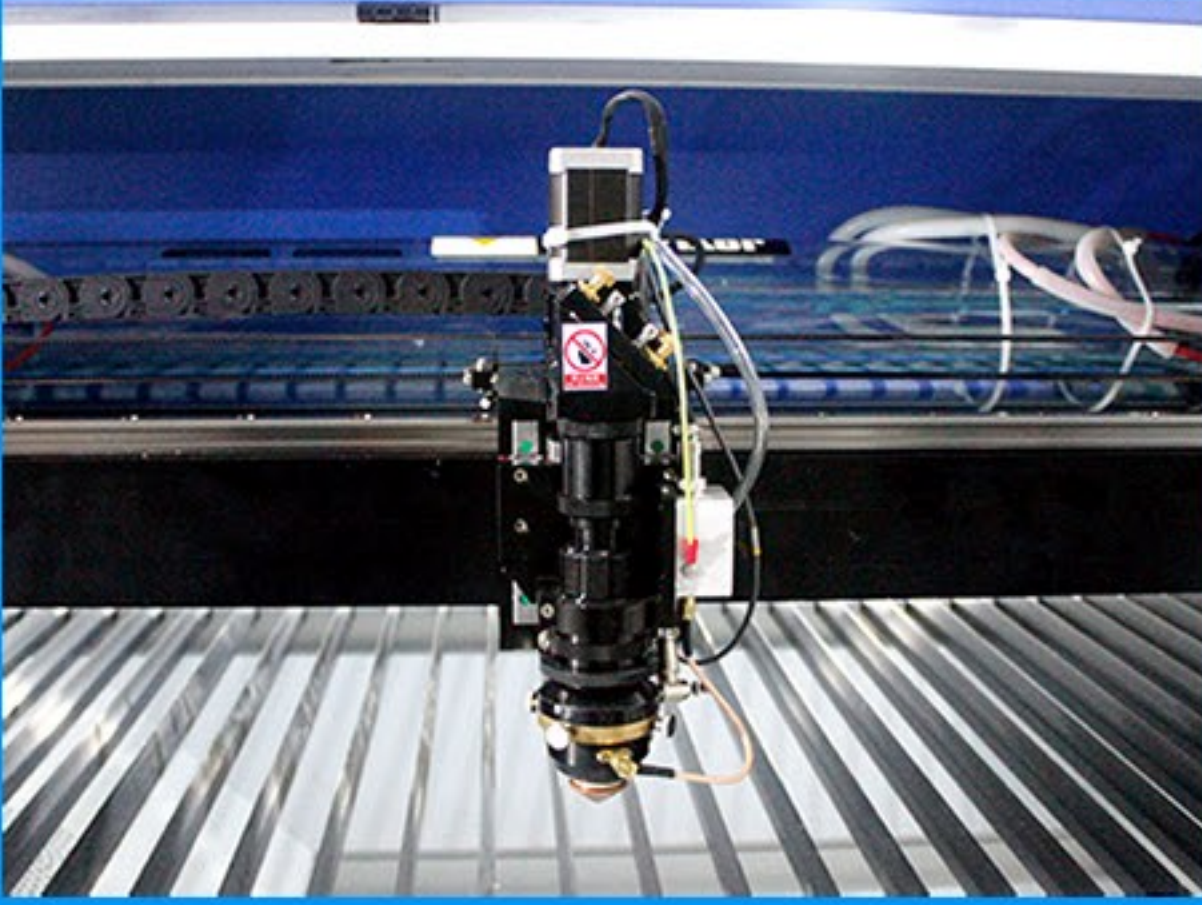
Leather Engraving

DETAIL DISPLAY

MIX  CUT

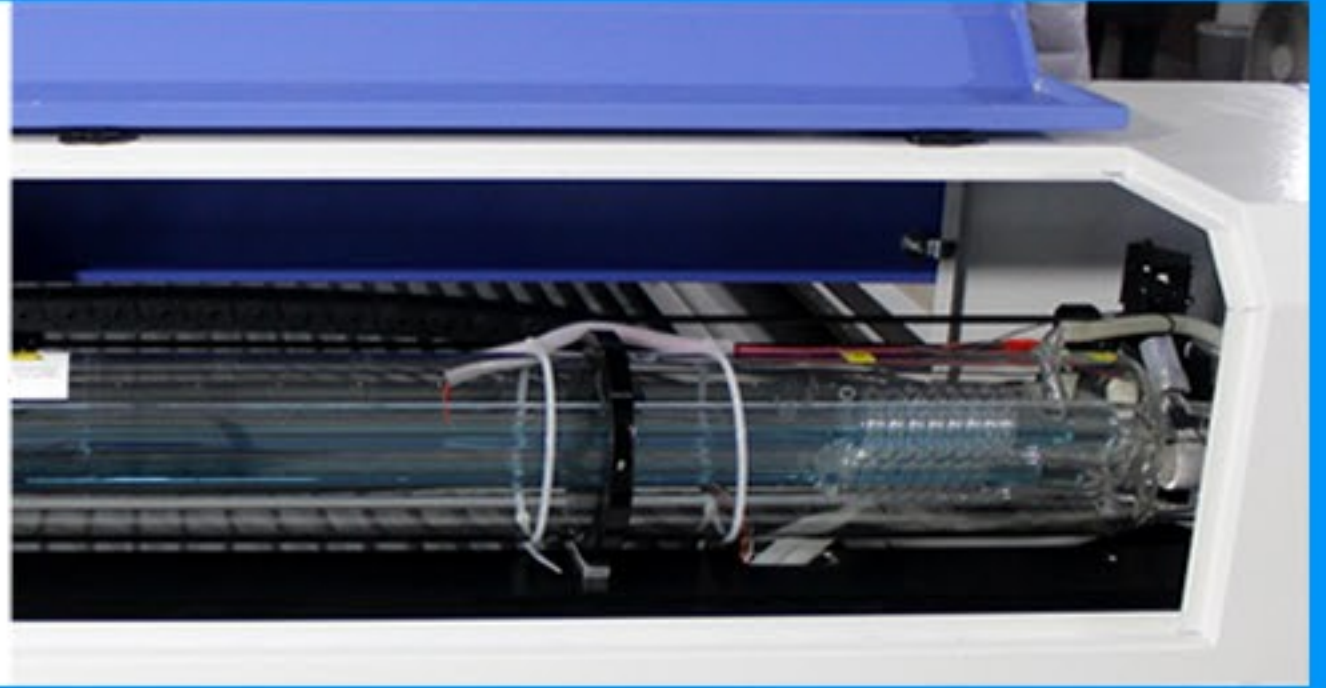
LASER HEAD >>>

Auto focus laser head for metal sheets cutting with assistance gas. Dynamic Auto-Focusing Metal Sheet Laser Cutting Head: When the metal sheet is not plain, the dynamic focus laser cutting head can adjust the focusing distance automatically.



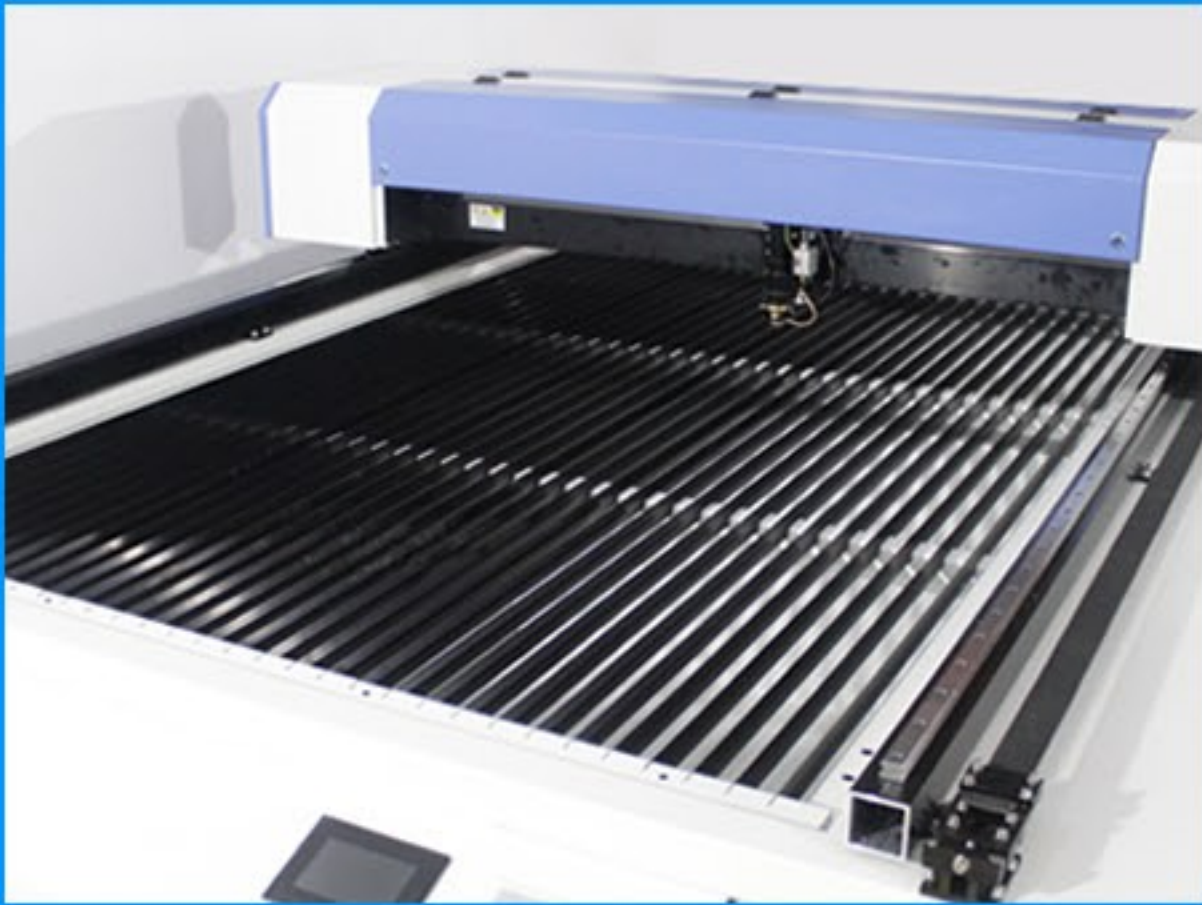
LASER TUBE >>>

High quality JOY laser tube, 150w/180w/280w/300w laser power can be optional. 150w 180w are co2 glass laser tube, 300w are combined laser tube, as the picture showing.



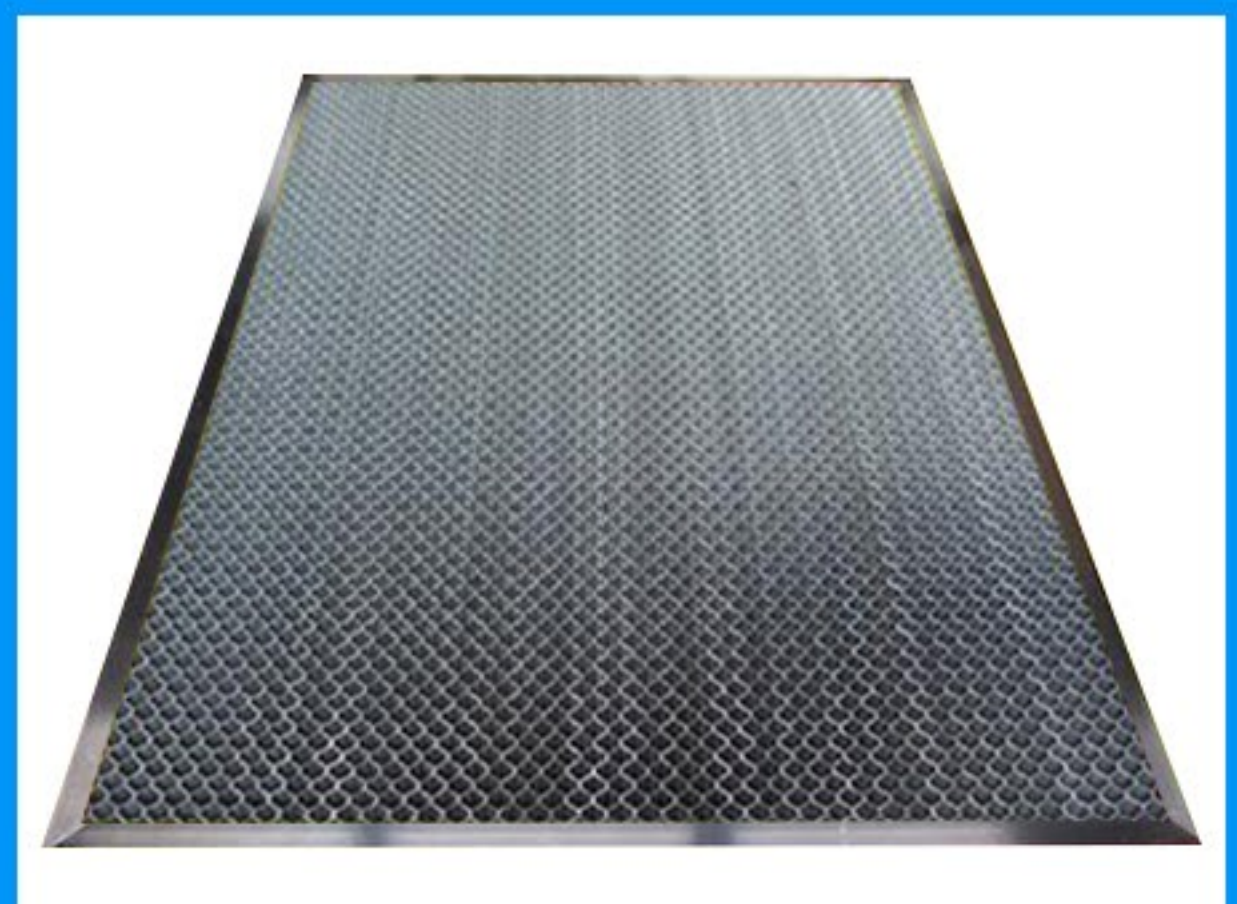
WORKBENCH >>>

Blade table for 1325 laser machine. Also honeycomb table can be optional. Two kinds of tables are available for different material.



ALUMINUM KNIFE

To process hard materials like acrylic, wood and so on.



HONEYCOMB WORKTABLE

1) Small holes make sure good supporting performance which is suitable for leather, cloth and other thin soft materials.

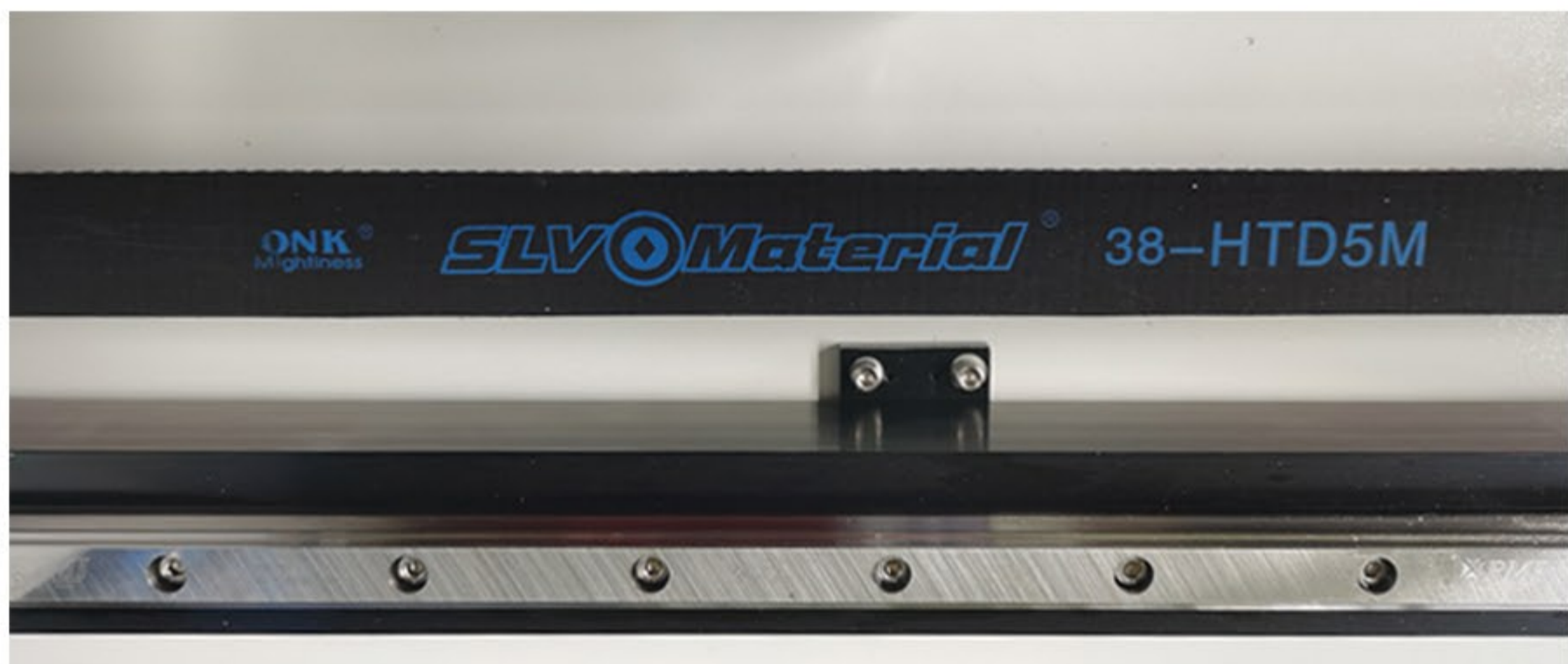
2) The hole of honeycomb worktable is small , so the small work piece can be placed on the table surface to be processed

STEPPER MOTOR AND DRIVERS >>>

Adopt Chinese Top Brand "Leadshine" Step Motor and Driving System Numeral timing Simulation quantum control laser power. Little error, repetition high precision.

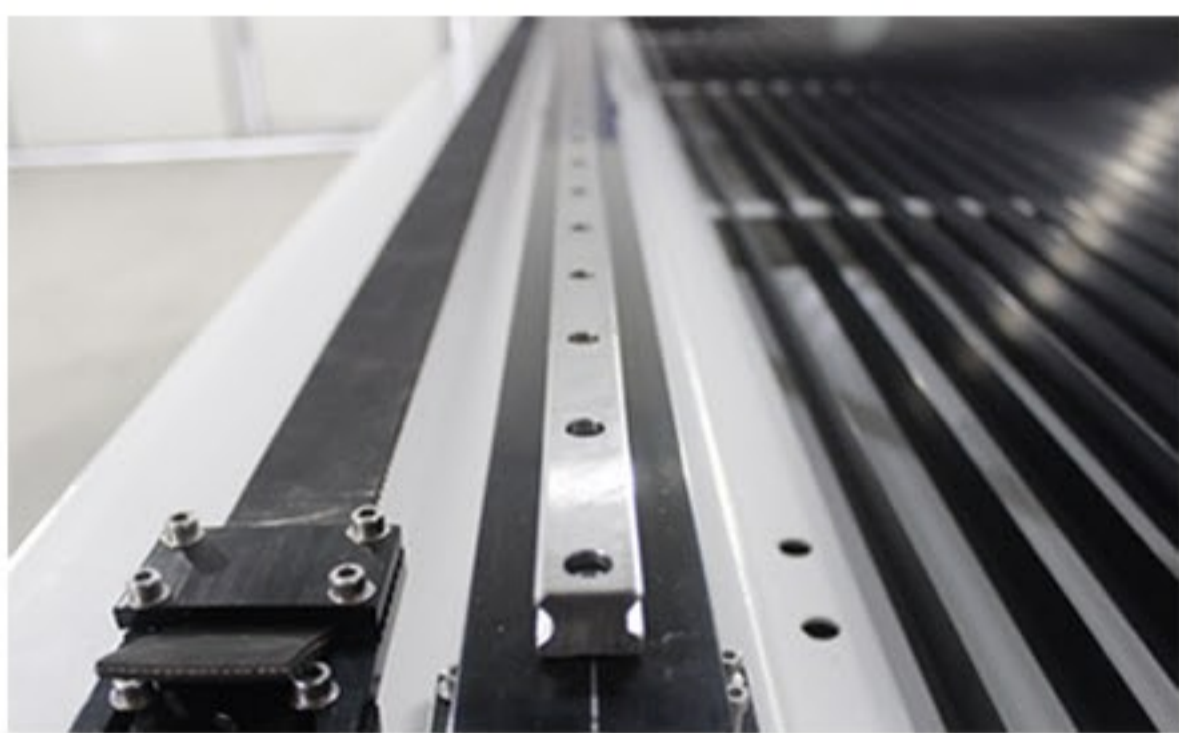


WITH ONK BELT TRANSMISSION >>>



LINEAR SQUARE GUIDE RAILS >>>

Taiwan Hiwin/PMI Linear square guide rails, higher precision with stroke limit.

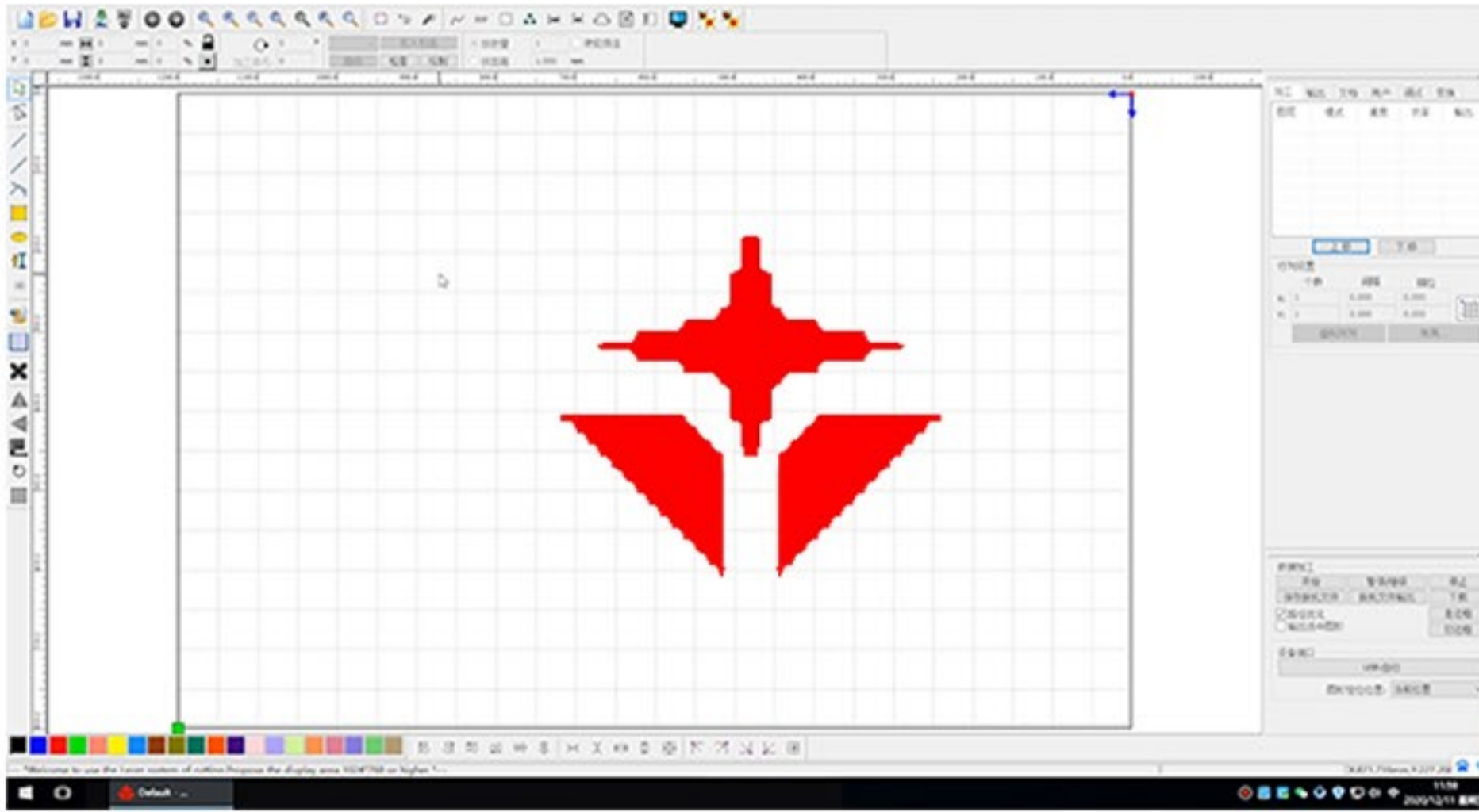


RUIDA >>>

RD6332 control system, friendly operation display and LCD screen. Adaptive software: MetalCut
Can storage on board, file storage capacity is up to 256M.
Advanced LCD Touch Screen+ USB port+ DSP Offline Control: which can not only work without computer, but also connect to U disk, USB communication.



Adaptive Ruida software: **MetalCut**. Advanced working software which can be embedded into Coredraw and CAD, User can operate the machine buy Coredraw or CAD software directly.



Coreldraw



CAD



WATER CHILLER >>>

Water cooling system with industrial water chiller for cooling 150w 180w 280w 300w co2 glas laser tube.

AIR PUMP >>>

Air compressor with laser machine



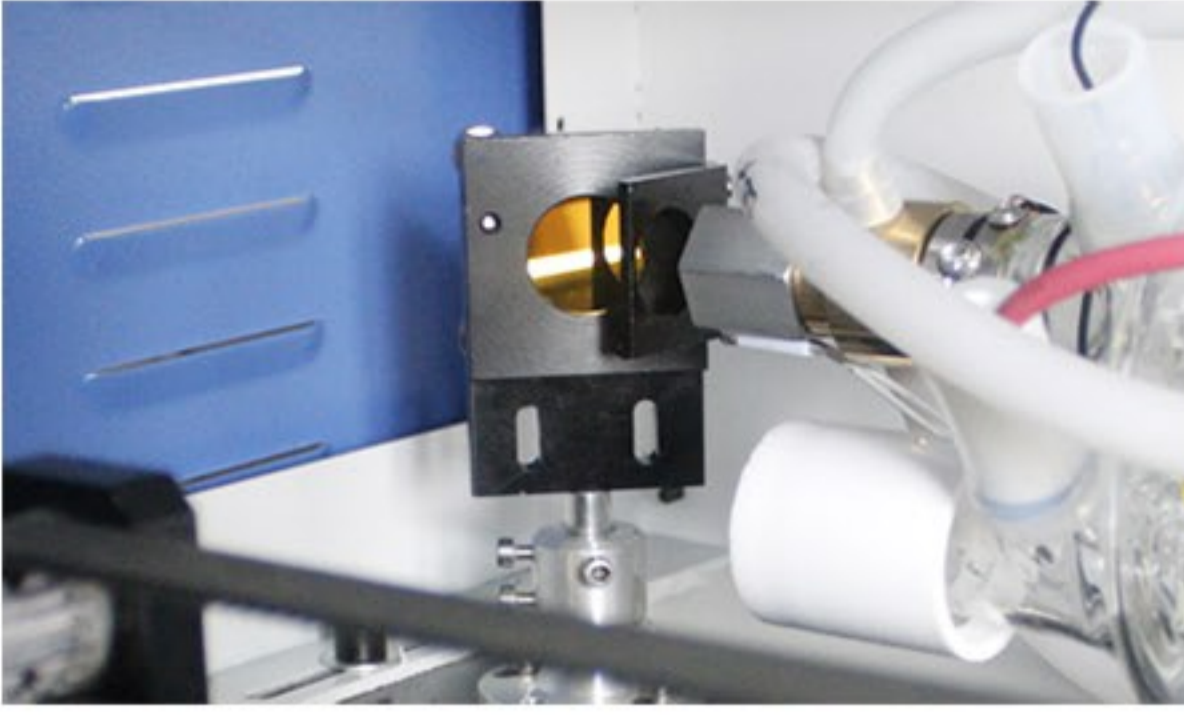
EXHAUST FAN WITH LASER MACHINE >>>

A smoke exhaust system and a high-power centrifugal fan are installed behind the machine. Strong power , good smoke exhaust effect and long life.



IMPORTED II - VI LENSES >>>

Equipped with luxury Consumables: Imported Focus Lens and reflect mirror, makes high efficiency and steady.



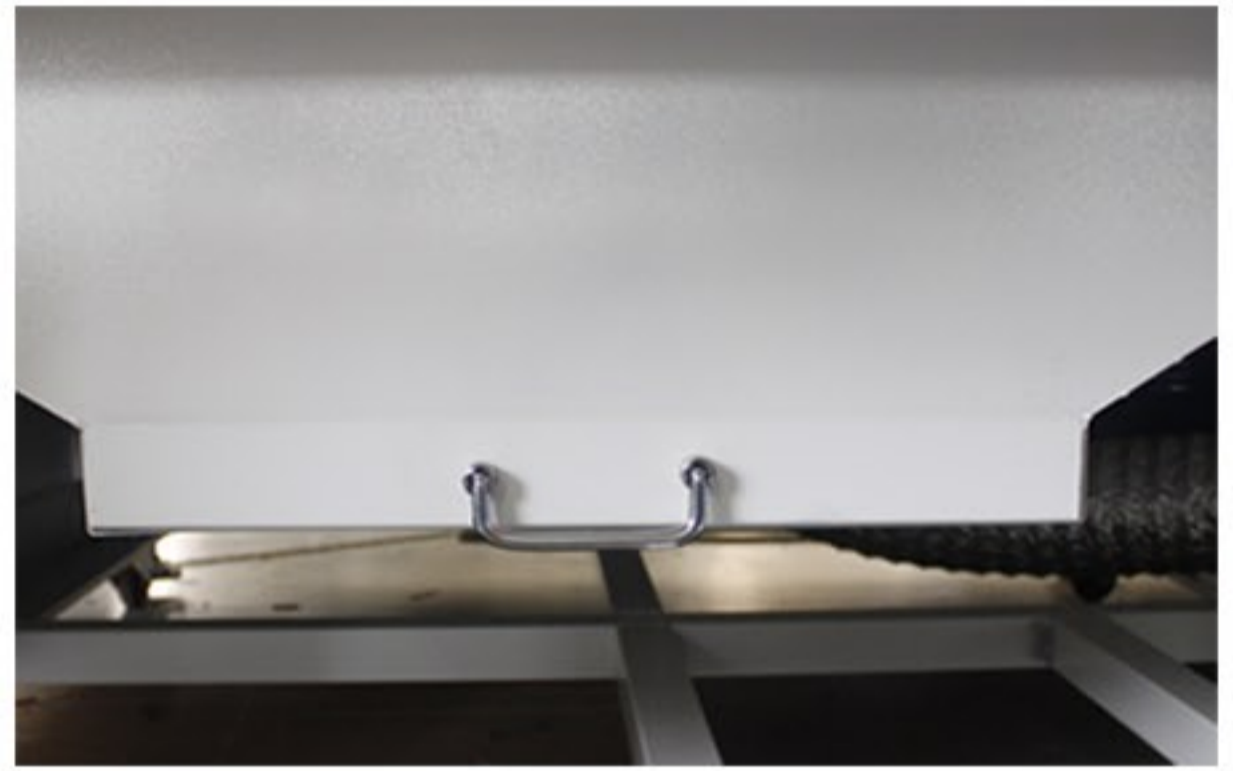
POWER OFF PROTECTION >>>

Install short-circuit relay, the circuit will automatically stop working when a short circuit occurs.

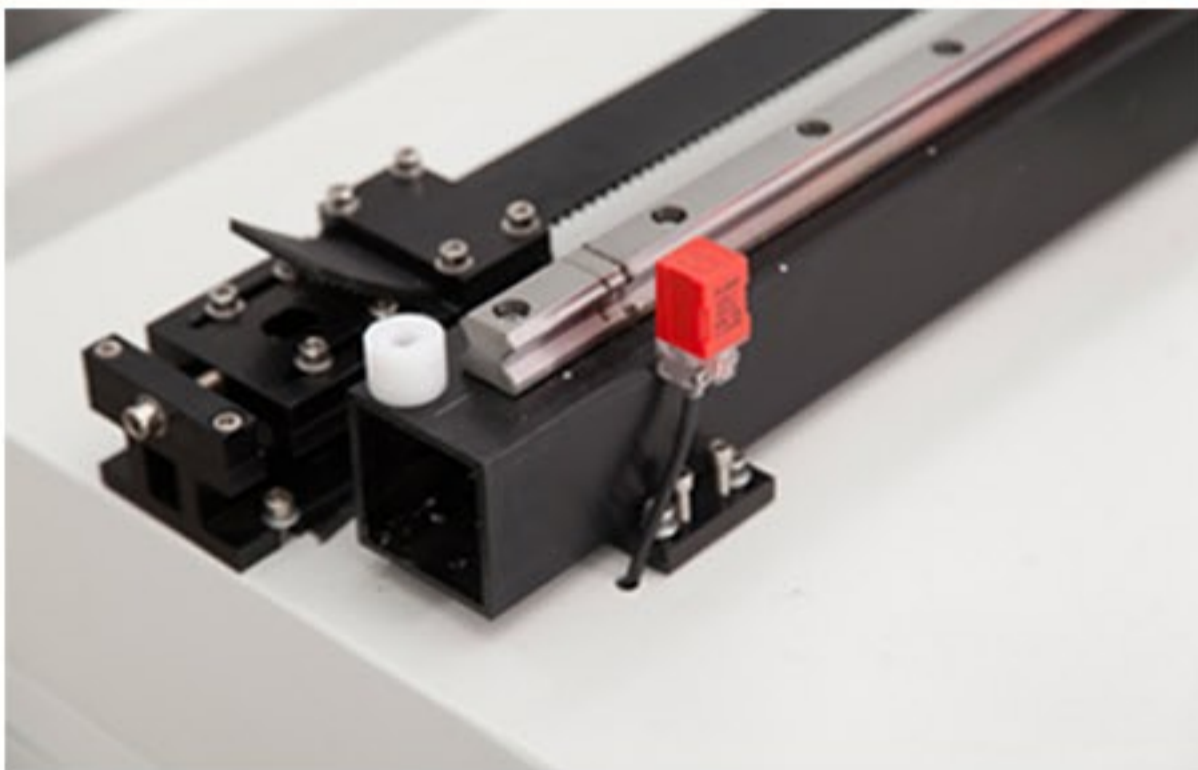
WATER PROTECTION >>>



WASTE DISPOSAL >>>



LIMITER >>>

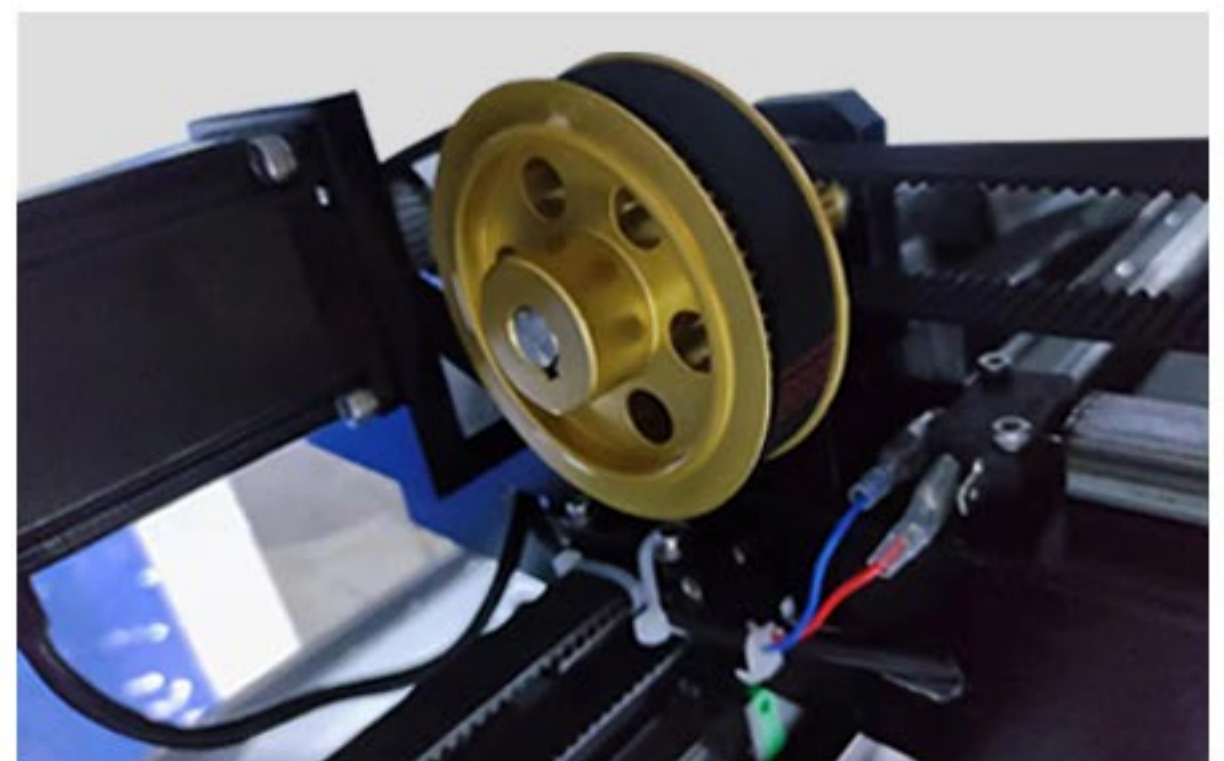


AMPEREMETER >>>



COPPER GEAR >>>

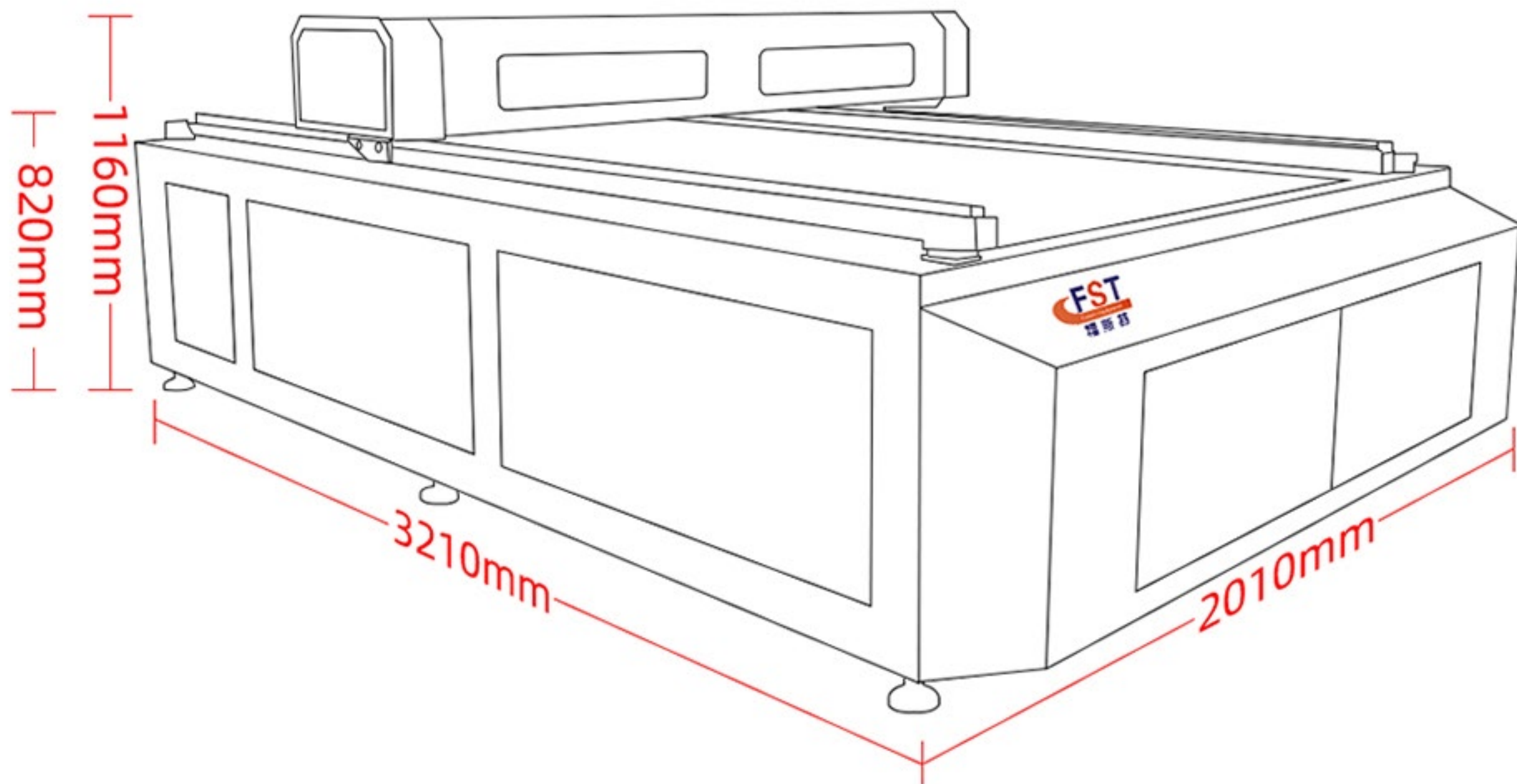
Use copper wheels to better drive the belt to work, wear-resistant and durable.





SMOKE PURIFIER >>> (Optional)

Extract smoke dust, smell, oil and clean the air to avoid pollute the environment. It can be used in laser cutting, engraving, marking industries. We will equip depending on customers demand.



Our certificate

Foster Laser Technology Co., Ltd.



CO2 MIXED LASER VS FIBER LASER

MIX  CUT

	Co2 Mixed laser cutting machine	Fiber laser cutting machine
Laser power	150W ~ 300W co2 laser tube	1KW ~ 6KW Fiber laser source
What material can be cut?	<p>Non-Metal Cutting: acrylic, wood, MDF, PVC board, paper, fabric, etc.</p> <p>Metal Cutting: stainless steel, carbon steel</p>	<p>Just Metal Cutting: stainless steel, carbon steel, silicon steel, aluminum alloy, titanium alloy, galvanized steel, pickle plate, aluminum-plating Zinc plate, metallic copper and other metals.</p>
What materials cannot be cut?	Highly reflective metals, such as aluminum, copper, etc.	Non-metallic materials
stainless steel cutting thickness	0~3mm	0-20mm
Metal cutting speed	Slow than fiber laser cutting machine	Very fast: up to 5-10 times faster than Co2 mixed laser cutting machine
Auxiliary gas(Metal cutting)	Must be oxygen	Oxygen, nitrogen or air
Metal cutting effect	Not as good as fiber cutting machine	Smoother, best
Maintenance	Complexity: require periodic maintenance and part replacement.	Very simple: require little or no maintenance
Electrical efficiency	Low	High
Laser tube/source working life	10,000 hours	over 100,000 hours working life
Machine price	150W-300W Co2 Mixed: Maybe 6,200.00-\$9000.00/set	1Kw Fiber: Maybe 20,000.00-\$24,000.00/set

Therefore, if you cut non-metals most of the time, and the time for cutting metals is not much, the precision requirements for cutting metals are not very high, and the budget is limited, we recommend that you choose the co2 mixed cutting machine, which is very suitable.

If you cut a large amount of metal, the cutting work is busy, or you need to cut high reflective materials such as aluminum and copper, or the thickness of the cut metal exceeds 3mm, we strongly recommend that you choose a fiber laser cutting machine.

	180W	300W
stainless steel	0~1.5mm	0~3mm
carbon steel	0~1.5mm	0~3mm

PRODUCT ACCESSORIES

MIX  CUT



Air Pump



Chimney



Water chiller



Tool protection



Data Line



CD or U disk



Focal length ruler



Power Cord



Tool box



Exhaust fan



Oxygen meter



user manual

PACKAGING & SHIPPING

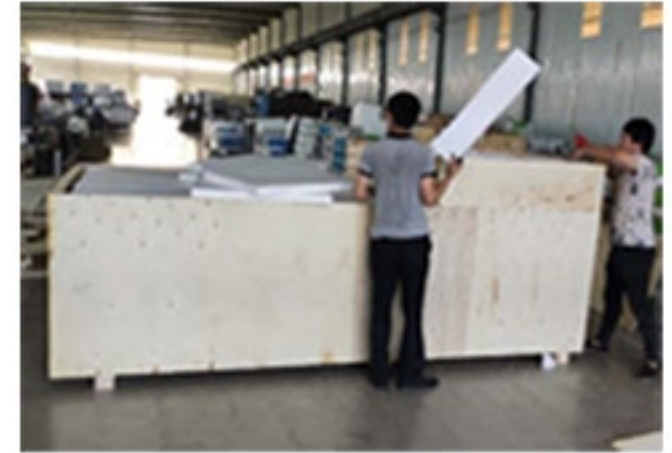
MIX  CUT



Machine cleaning and
Protective oil processing



Wrapping with
protective film



Wooden box sealing



Container Sealing
and Transportation



container loading



Forklift moving goods

THE USING TUTORIAL

MIX  CUT

**MIXED CUTTING MACHINE
LASER TUBE INSTALLATION**

Liaocheng Foster Laser Science & Technology Co., Ltd.

**MIXED CUTTING MACHINE
ACCESSORIES INSTALLING**

Liaocheng Foster Laser Science & Technology Co., Ltd.

**MIXED CUTTING MACHINE
METALCUT INSTALLATION TUTORIAL**

Liaocheng Foster Laser Science & Technology Co., Ltd.

**MIXED CUTTING MACHINE
LASER PATH ADJUSTMENT**

Liaocheng Foster Laser Science & Technology Co., Ltd.

**MIXED CUTTING MACHINE
NONMETAL CUTTING COURSE**

Liaocheng Foster Laser Science & Technology Co., Ltd.

**MIXED CUTTING MACHINE
METAL CUTTING COURSE**

Liaocheng Foster Laser Science & Technology Co., Ltd.

Company and Factory

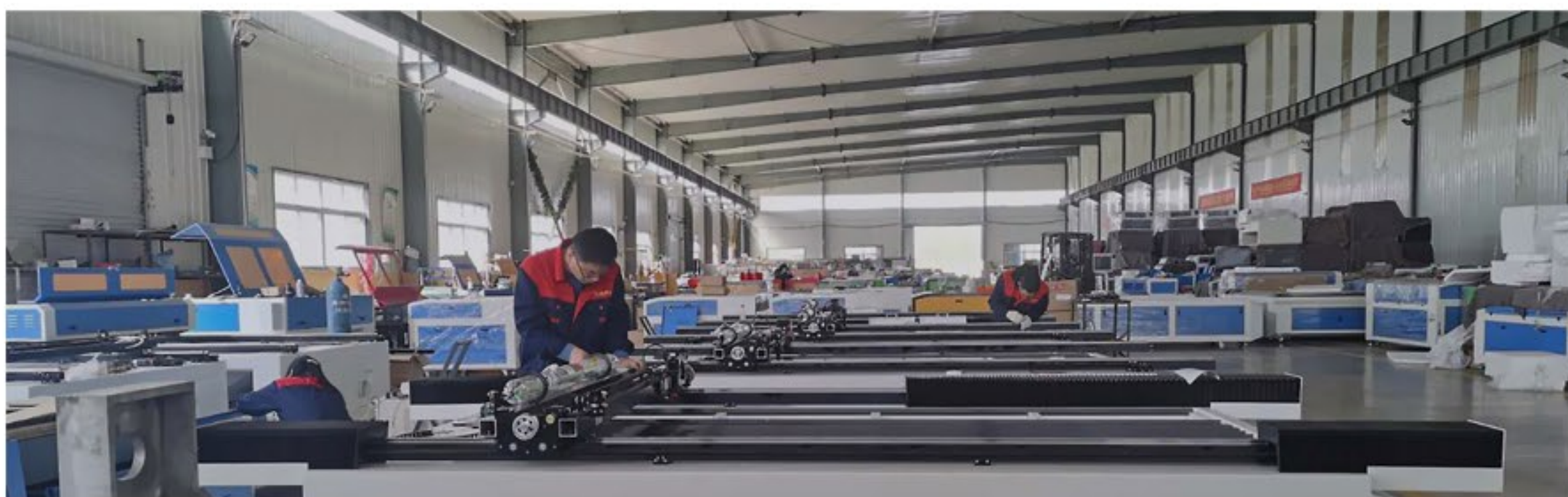
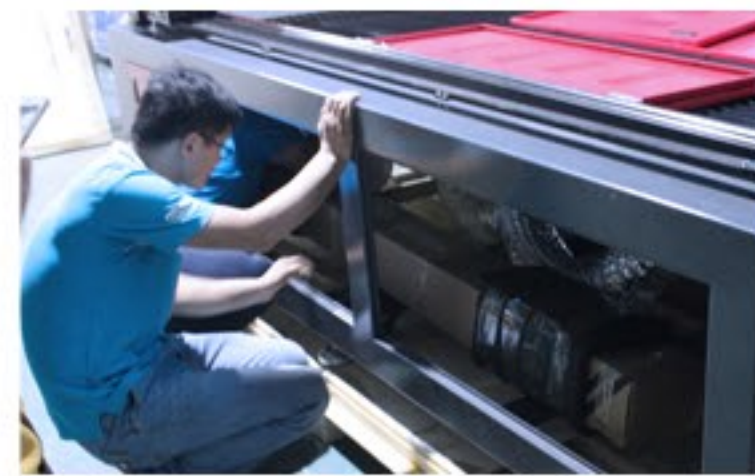
Liaocheng Foster Laser Science&Technology Co.,Ltd is a professional manufacturer of laser engraving machine,laser cutting machine,laser marking machine for 12years .Since 2004, Foster Laser focused on the development and production of various types of laser engraving/cutting/marking machine with the advanced management,strong research strength and steady globalization strategy, Foster Laser establish more perfect product sales and service system in China and around the world, make the world's brand in laser industry.

Our target is "scientific management, high quality, high reputation and takes continuous development as our policy, regards customers as our center, double win with our customers", and we adhere to our tenet of "take the market demand as the guide, continue to take innovation and make improvement". We will try our best to provide the high quality products and perfect service for clients.

Furthermore,we pay much attention to after-sales service. Good service and good quality is same important for Foster Laser will follow the spirit "Credibility and Integrity", try best to provide customer more super product and better service.

Foster Laser--reliable professional Laser equipment supplier!

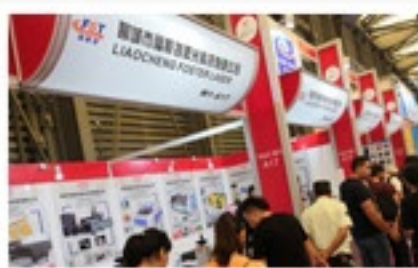
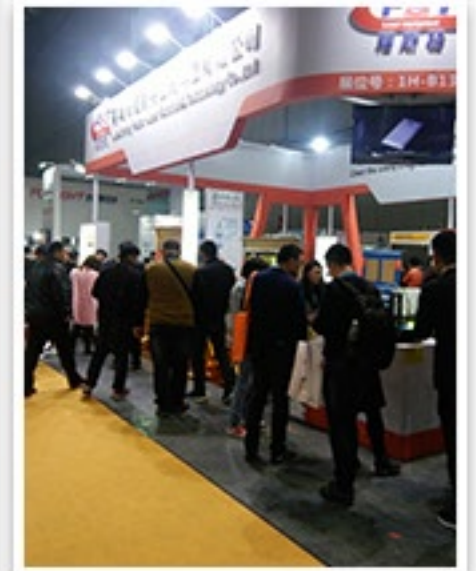
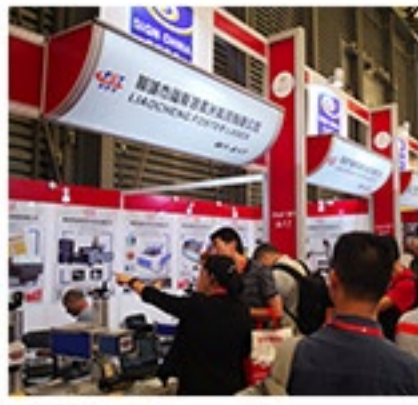
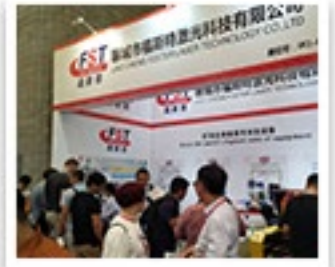
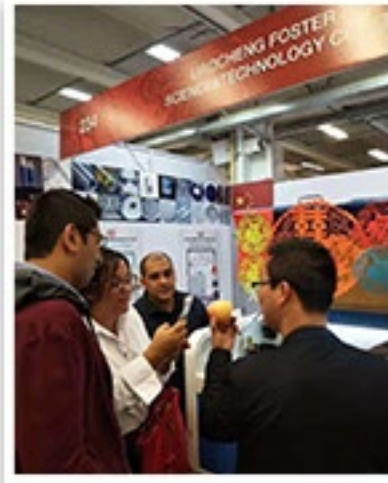
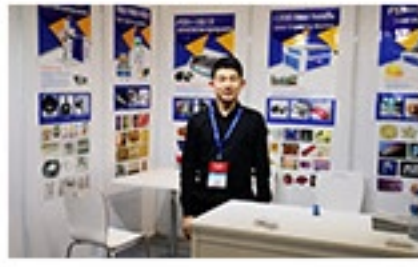
Welcome to cooperate with us and achieve win-win!



Office and Team



Our Exhibition



F A Q

Q1. Before sending me an inquiry on our cnc laser, it is better for you to provide me the following information:

1)Your metal or non-metal material size. Because in our factory, we have different models according to working area.

2)Your materials.

Metal/Acrylic/plywood/MDF?

3)You want to engrave or cut?

If cut, could you tell me your cutting thickness? Because different cutting thickness need different laser tube power and laser power supplier.

Q2. If we don't know how to use the machine,can you teach us?

Yes, We will send you manual and guide video in English, it can teach you how to operate the machine. If you still can not learn how to use it, we can help you by "Teamviewer" online helpsoftware.Or we can talk by phone, email or skype

Q3.How long is the delivery time?

For standard machines, it would be 3-5 days; For non-standard machines and customized machines according to client's specific requirements, it would be 7 to 10 days.

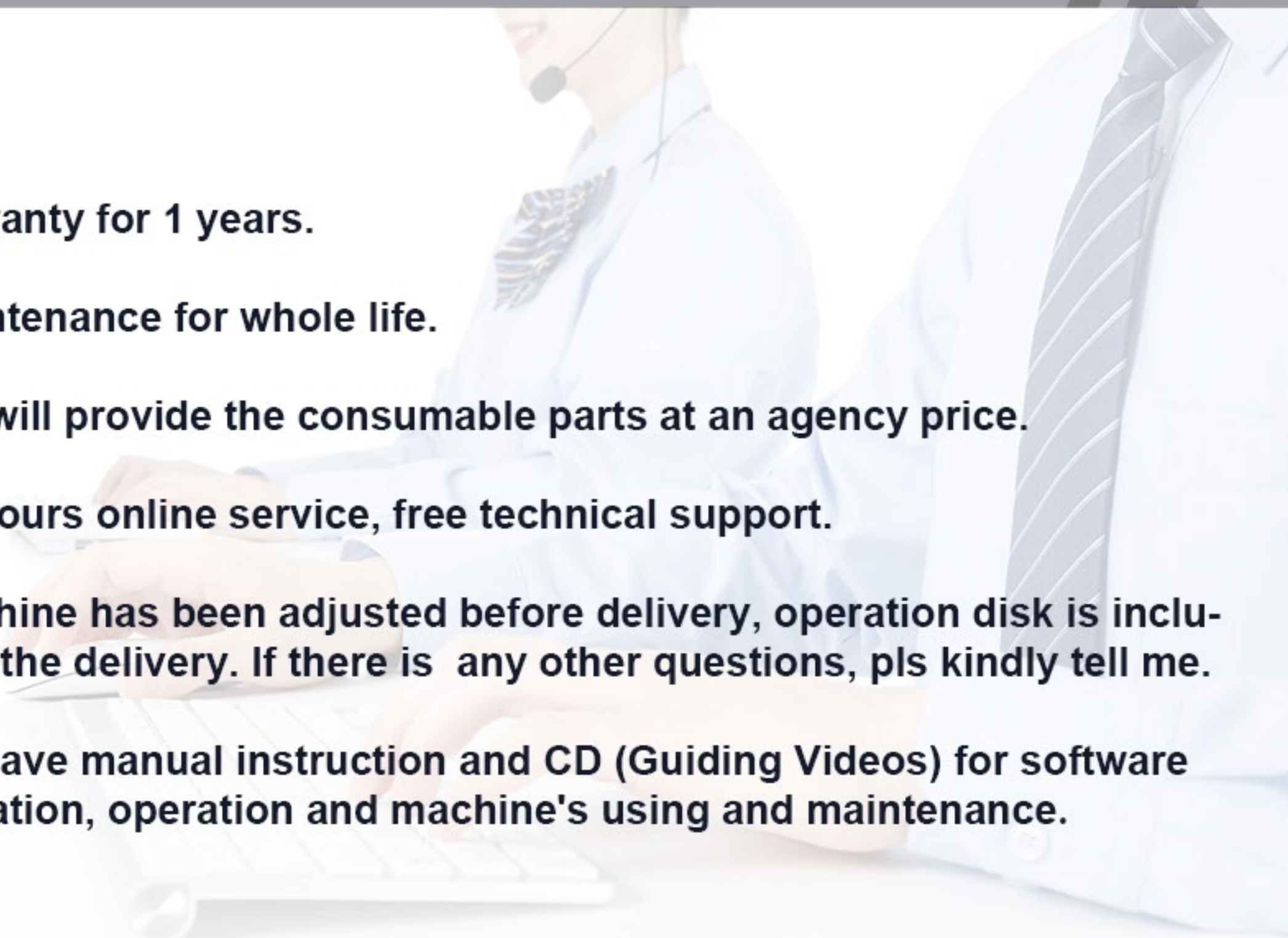
Q4. Quality Control:

The whole production procedure will be under regular inspection and strict quality control. The complete machine will be tested to make sure they can work very well before being out of factory. Our machine passed CE Certificate, meet European and American standard, were exported to more than 100 Countries.

Q5. Do you arrange shipment for the machines?

Yes, dear esteemed customers, for FOB or CIF price, we will arrange shipment for you. For EXW price, clients need to arrange shipment by themselves or their agents.

Our services

- 
1. warranty for 1 years.
 2. Maintenance for whole life.
 3. We will provide the consumable parts at an agency price.
 4. 24 hours online service, free technical support.
 5. Machine has been adjusted before delivery, operation disk is included in the delivery. If there is any other questions, pls kindly tell me.
 6. We have manual instruction and CD (Guiding Videos) for software Installation, operation and machine's using and maintenance.