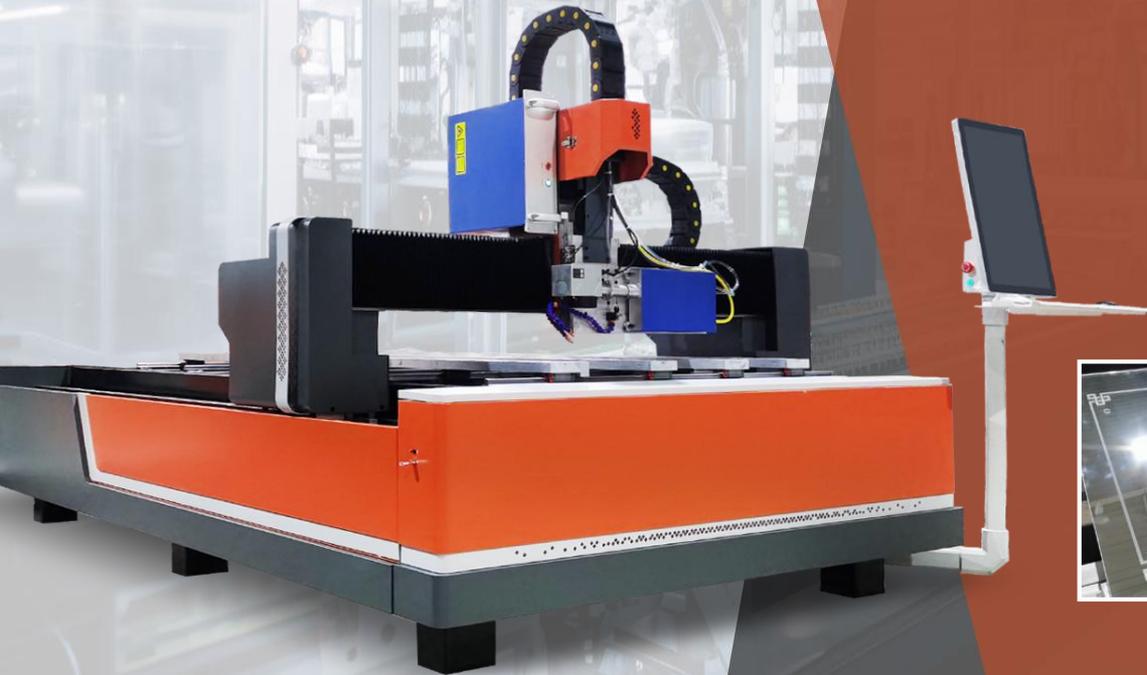




# 1325/1530 FIBER LASER GLASS SANDBLAST ENGRAVING MACHINE

- Red light positioning, precise processing ○
- Professional software control system ○
- Mobile aluminum alloy workbench ○
- One step can get sanding results ○



# 1325/1530 FIBER LASER GLASS SANDBLAST ENGRAVING MACHINE

1325/1530 Fiber Laser Glass Sandblast Engraving Machine is developed according to the market demand, achieving one-time paint removing, sandblasting and drilling by laser . Replaced the traditional complex processes of filming, engraving, film removing, sandblasting, and marking completely by one machine. After the market application, which can help manufacturers achieve better results in industry competition (higher-end products, labor-saving, higher efficiency, and no consumables).



Glass drilling/cutting



Glass sandblast



Glass de-plating

# PRODUCT CHARACTERISTICS

**High precision and stability:** The large format laser marking machine adopts advanced laser technology, which can achieve high-precision marking effects. The micrometer level precision of its spot diameter complements the characteristics of high energy density and uniform distribution, enabling precise marking on the surface of the workpiece and ensuring that every detail meets design expectations.

**Large format marking capability:** Large format laser marking machine is suitable for various large format marking needs. Its maximum marking area can reach 1300X2500mm, which can meet the requirements of large-scale laser marking. In addition, also provides customized services to meet special needs.

**High durability:** The surface of intelligent mirrors treated by laser sand - blasting is more wear - resistant, corrosion - resistant, and has excellent rust - proof ability. It is suitable for humid environments and can extend the service life.

**Aesthetic and unique:** It can create unique visual effects such as matte or semi - matte finishes, adding decorative and design elements, and meeting diverse aesthetic needs.

**Environmentally friendly and efficient:** The large format laser marking machine does not require the use of chemical solvents or inks during the marking process, reducing environmental pollution and energy consumption, and is in line with the green development trend of modern manufacturing industry. Meanwhile, its efficient marking performance can significantly shorten the production cycle and improve production efficiency.

# CONFIGURATION



Galvo Head



Fiber Laser Generator  
(ORION/JPT)



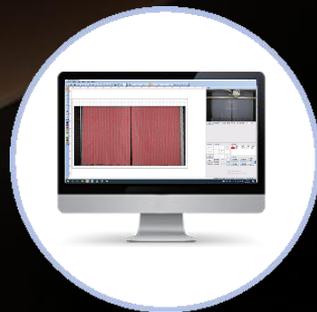
Servo Motor Driver  
(Delta/Fuji /Yaskawa)



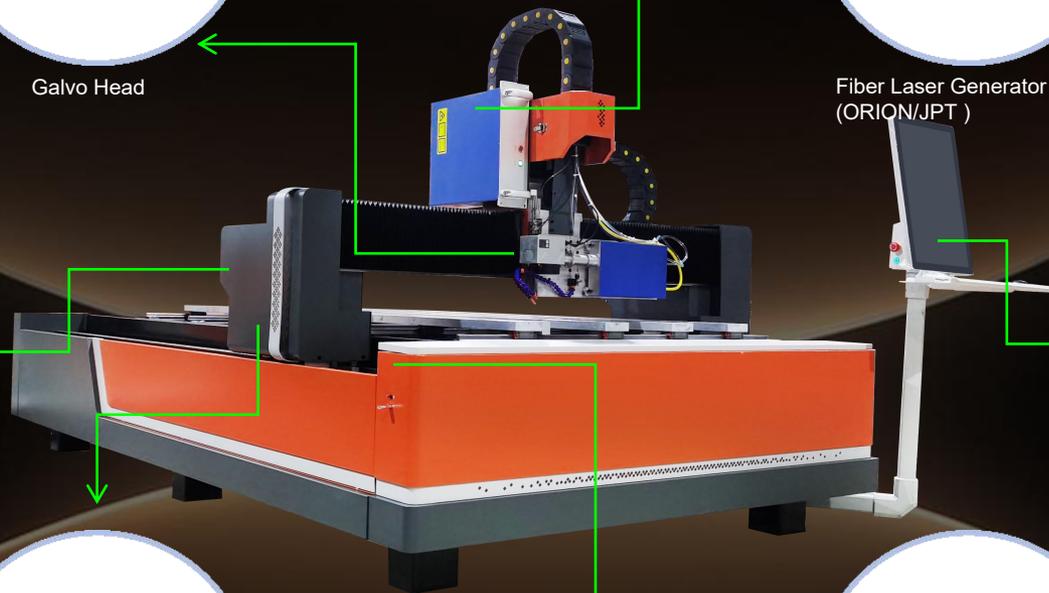
Japan Shimpo reducer



TAIWAN YYC Rack



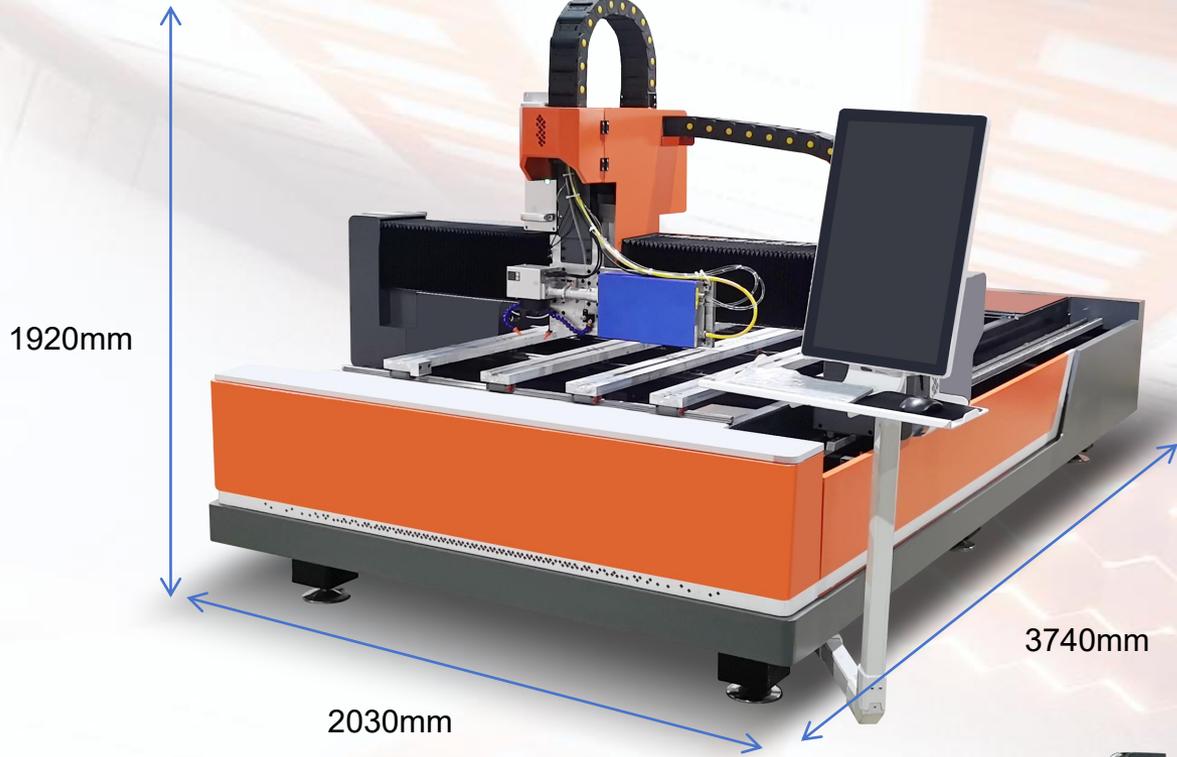
Control System  
(ZHIYUAN)



# PARAMETERS

<b>Machine model</b>	FST-1325/1530
<b>Laser power</b>	120W/180W
<b>Laser wavelength</b>	1064(nm)
<b>Working area</b>	1300*2500mm/1500*3000mm
<b>Maximum cutting diameter</b>	50*50mm
<b>Working speed</b>	1-6000mm/s
<b>Min Width</b>	0.03mm
<b>Min character</b>	0.3mm
<b>Repeat accuracy</b>	+0.01mm
<b>Input Power</b>	220V/50HZ
<b>Maximum Power Consumption</b>	2000w
<b>Cooling Way</b>	Water cooling
<b>Laser Source</b>	ORION/JPT
<b>Working depth</b>	≤1mm(Based on the material)

# EQUIPMENT SIZE





## High speed Galvanometer

Using well-known high-quality galvanometers, the marking speed is fast, the effect is fine and . The red light system is embedded in the vibrating lens, stable, and accurately positioned



## High transmittance field mirror

The field mirror scanning system adopts new technologies, new materials and new processes, with high light transmittance.

## Cast Aluminum Beam

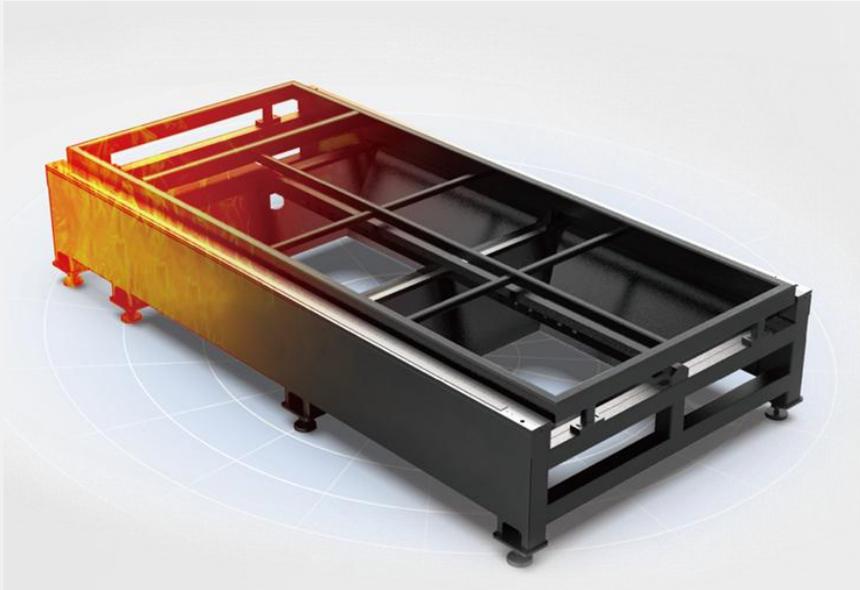
No deformation, light weight, high strength  
Light cross beams allow equipment to operate at a faster rate boosting processing efficiency and quality.



## Laser Source

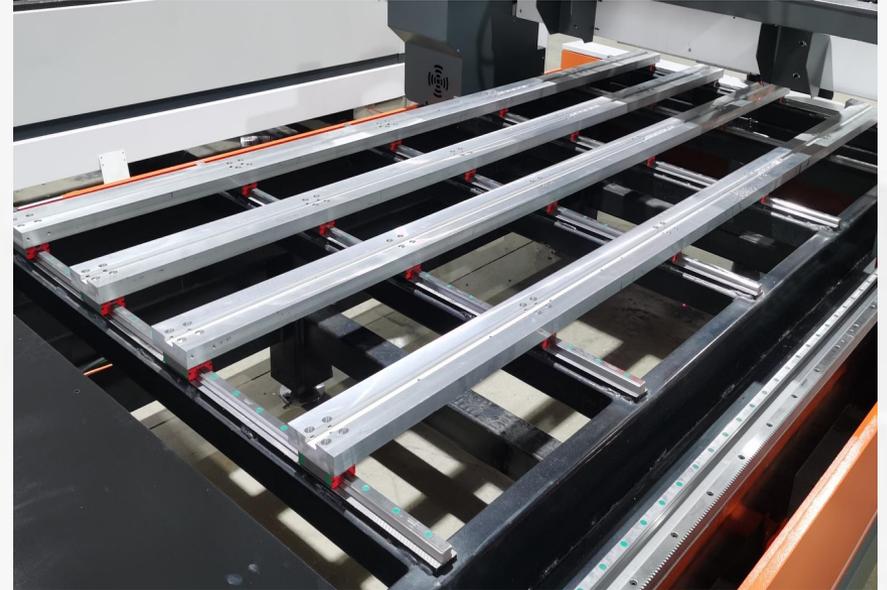
Fiber laser source guarantees high-quality beam quality, and the marking effect is very delicate. With the stable slide rail design, it is especially suitable for large-format seamless image marking. The use life can reach 100,000 hours, and the machine can be used for 8-10 years and no consumables.





## Strong machine lathed bed

The lathed bed is after aging treatment: 1600°C high temperature heat treatment, 24 hours with furnace cooling and precise CO<sub>2</sub> protection welding, which ensures long-term stability and no deformation.



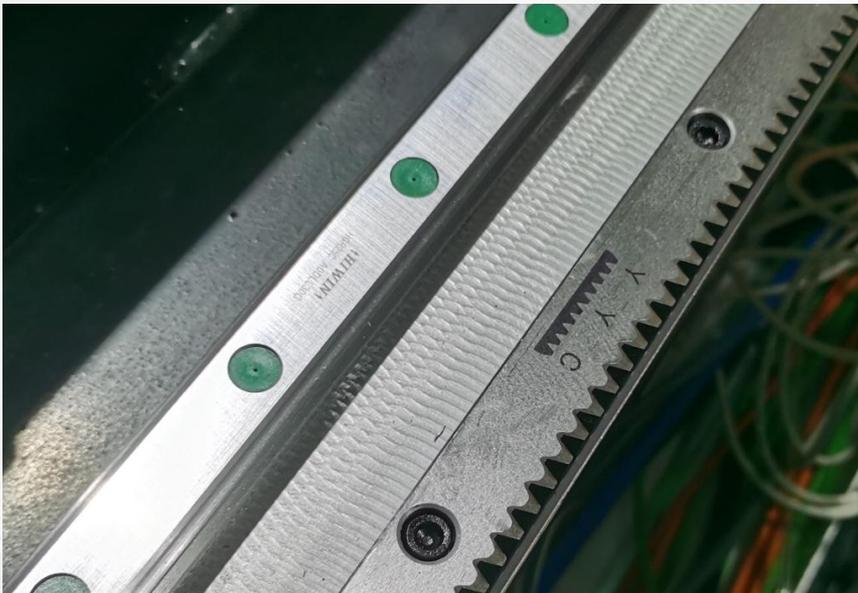
## Working platform

Rack, square guide, strong and stable enough to maintain movement and provide higher accuracy



## Control System(ZHIYUAN)

The control system is independently developed and is different from the traditional marking machine system. It can freely design various graphics to be processed and supports multiple formats.



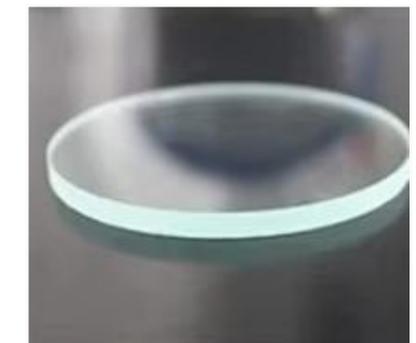
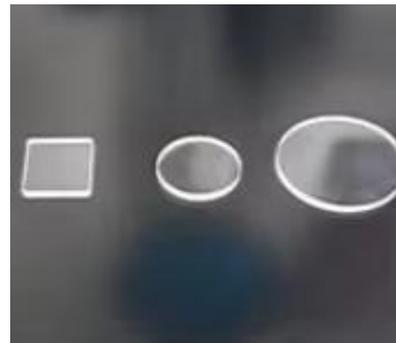
## Grinding Level Guide Rail

High precision linear guide rail, with good rigidity and high accuracy, with a running accuracy of 0.02 mm, dustproof and rust proof, and simple maintenance



## Applicable material:

The machine is suitable for architectural glass, automotive glass, furniture glass, craft glass, decorative glass. The paint and mirror removal process in the cabinet glass smart mirror industry is also suitable for surface marking on most plastics and stainless steel, aluminum oxide, copper and other alloy materials.



# 10 YEARS PROFESSIONAL ODM/OEM MANUFACTURER OF LASER EQUIPMENT

30,000m<sup>2</sup>+

30,000-square-meter  
standardized workshop.

27+

We currently hold 27  
technical patents.

300+

We produce more than  
300 laser equipment  
every month.

4+

We own four separate  
trademarks.



天人合一  
以信为本

用仁义道德头现企业可持续发展  
用我们的产品为顾客创造幸福

福斯特激光

以厚德 润天下

## Liaocheng Foster Laser Science & Technology Co., Ltd.

Liaocheng Foster Laser Science & Technology Co., Ltd. A professional manufacturer dedicated to the research and production of laser equipment, covers an area of over 10000 square meters. We mainly produce laser engraving machines, laser marking machines, laser cutting machines, laser welding machines, laser cleaning machines.

Since its establishment in 2004, Foster Laser has always adhered to the Customer centric . By 2023, Foster laser equipment has been exported to more than 100 countries and regions, including the United States, Brazil, Mexico, Australia, Turkey, and South Korea, winning the trust and support of customers. The company's products have CE, ROHS and other test certificates, a number of application technology patents, and provides OEM services for many manufacturers.

Foster Laser is equipped with a professional R&D team, sales team, and after-sales team, which can provide you with a perfect purchasing and usage experience. The company can customize products, logos, exterior colors, etc. according to demand. Meet your customization needs.

Foster Laser, looking forward to your visit.





## TRADEMARK

# 10+

United States

Mexico

Britain

Brazil

Italy

Germany

Foster Laser has successfully registered trademarks in 10+ countries, which means the company has obtained legal protection for trademarks in these countries. These registrations not only ensure exclusive use of the company's brand and prevent others from infringing or imitating it, but also provide strong support for the company's expansion in the international market.

## International Certification Shows Brand Strength

1. Strict Quality Control Standards

2. Authoritative Certification

3. Brand Guarantee



# PACKAGING



Machine cleaning and  
Protective oil processing



Wrapping with  
protective film



Forklift moving goods



Transportation



Container Sealing



Container loading

# EXHIBITION

Partners come from all over the world  
With 10 years of export experience





### **Q: How can I choose the most suitable machine?**

A: In order to recommend you the most suitable machine model, please let us know the following details:

1.What is your material? 2.The size of material? 3.The thickness of material?

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### **Q:When I got this machine,but I don't know how to use it. What should I do?**

A:We will send operation video and manual for the machine. Our engineer will do training online. If needed, we can send our engineer to your site for training or you can send the operator to our factory for training.

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### **Q:If some problems happen to this machine, what should I do?**

A:We provide two years machine warranty. During the two-year warranty, in case any problem for the machine, we will provide the parts free of charge (except for artificial damage). After the warranty, we still provide whole lifetime service. So any doubts, just let us know, we will give you solutions.

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### **Q:What is the payment terms?**

A:The payment terms we accept include:Western Union,T/T,VISA,Online Bank Payment.

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### **Q:How about the shipping ways?**

A:Transport by sea is the normal way;If special requirement,need to be final confirmed on both sides.