FST 福斯特激光
Laser equipment
FOSTER LASER

FST-3015E

Exchange Table Fiber Laser Cutting Machine

FST-3015
FST 福斯特激光 FOSTER LASER

Outstanding Stability

High Effciency

Excellent Precision

- Save processing time
- Improve processing efficiency

Foster Exchange table Fiber laser cutting machine offers enhanced production efficiency and flexibility by enabling automatic table swapping for continuous processing, reducing downtime, and accommodat-

ing various materials and workpiece sizes.

CHARACTERISTICS

01.High Efficiency Production: Utilizes advanced fiber laser technology for rapid cutting speeds and efficient production capabilities.

02.Flexible Processing: Equipped with an automatic exchange table system for continuous processing, enhancing productivity and supporting rapid cutting of multiple materials.

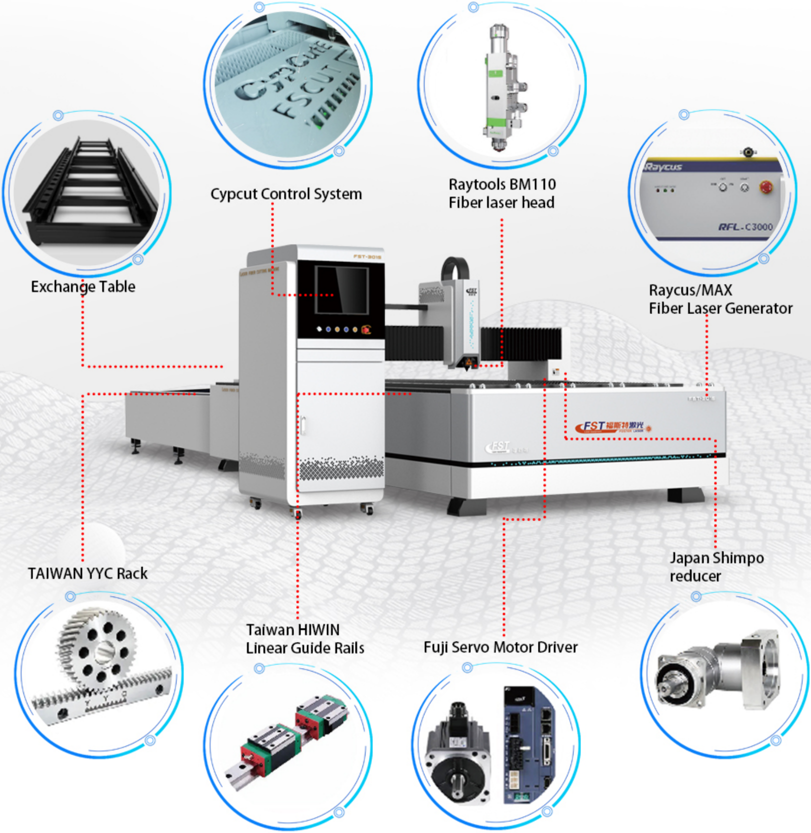
03.Precision Cutting: Laser cutting technology ensures precise cutting with high quality and accuracy, suitable for complex shapes and fine processing.

04.Intelligent Operation: User-friendly interface and intelligent control system make operation simple and easy to master.

05.Energy-saving and Environmentally Friendly: Fiber laser technology eliminates the need for chemical agents, resulting in no emissions of exhaust gases or wastewater, meeting environmental requirements.

06.Durable and Stable: Robust structure and high stability ensure long-term continuous operation with minimal risk of failure, extending the equipment's lifespan and reliability.

07.Wide Application: Ideal for cutting metal materials such as steel, aluminum, and copper, widely used in industries including mechanical manufacturing, automotive parts, and electronics.



COMPARISON

Exchange table

No Exchange table

✓ **Higher Production Efficiency:** Equipped with an automatic exchange table system, it enables automatic table swapping and continuous processing, significantly boosting production efficiency.

✓ **Enhanced Flexibility:** The exchange table allows for more flexible operations by preparing the next workpiece while the current one is being processed, reducing downtime and improving equipment utilization.

✓ **Diverse Processing Capabilities:** With the exchange table, the machine can accommodate various materials and different-sized workpieces, facilitating continuous processing of different workpieces on the same equipment, enhancing production versatility.

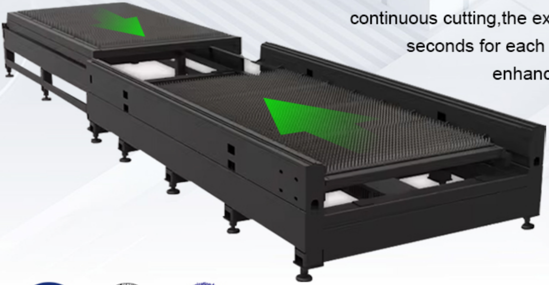
✓ **Reduced Labor Costs:** The automatic exchange table system reduces manual intervention and table changeover time, thereby lowering labor costs and improving production efficiency and cost-effectiveness.

✓ **Improved Production Continuity:** The automatic exchange table system enables continuous processing of different workpieces, minimizing equipment downtime and waiting time, thus enhancing production continuity and stability.

EXCHANGE TABLE

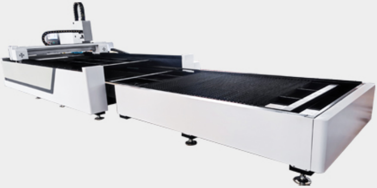
INTELLIGENT AUTOMATIC EXCHANGE TABLE

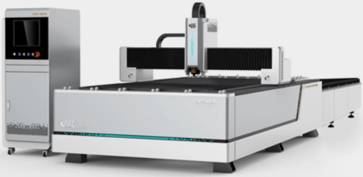
The exchange table is a critical component of the fiber laser cutting machine, consisting of two platforms and associated automation systems.This feature allows operators to swap work pieces on the alternate platform during the cutting process without halting operations. With the automatic exchange table system, operators can prepare the next work piece in advance,enabling continuous cutting,the exchange platform only takes 15 seconds for each exchange,operations and thus enhancing production efficiency while minimizing downtime.



15S

QUICK CHANGE





LASER CUTTING HEAD

LASER CUTTING HEAD

BEAM MOTION
RAYTOOLS

Multiple Protection

3 protective lenses , highly effective collimating focus lens protection.2-way optical water cooling extends the continuous working time effectively.

High-precision

To successfully avoid step loss,a closed-loop stepping motor is used.The repetition accuracy is 1M and the focusing speed is 100mm/s. Dust-proof to IP65,with a patent-protected mirror cover plate and no dead angle.

Various Brands Of Laser Head Are Available

We can provide all high quality laser heads . It has been tested by us for a long time.

CYPCUT SOFTWARE

CypCut
FSCUT

CYPCUT

CypCut sheet cutting software is an in-depth design for fiber laser cutting industry. It simplifies complex CNC machine operation and integrates CAD, Nest and CAM modules in one. From drawing, nesting to workpiece cutting all can be finished by a few clicks.

1.Auto Optimize Imported Drawing
2.Graphical Cutting Technique Setting
3.Flexible Production Mode

CypCutE
Version 6.4.2330.6
Powered by Friendess, Inc. Shanghai, CN
Loading...

4.Statistic of Production
5.Precise Edge Finding
6.Dual-Drive Error Offset

ALUMINUM BEAM

MONOLITHIC 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.

HIGH SPEED

The light crossbeam allows the machine to move at a faster rate and enhance cutting eficiency.

MORE EFFICIENT

The aerospace industry's aluminum profile beam ensures that the equipment has efficient dynamic performance , considerably increasing processing efficiency while maintaining processing quality.

PARAMETERS

Model	**FST-3015E**
Working area	**3000*1500mm**
Laser Power	**2000W /3000W / 6000W / 8000W/12000W**

Working table	**2 (Exchanged)**
Repeat Repositioning Accuracy	**±0.03mm**
Accuracy of Positioning	**±0.02mm**
Max Running Speed	**120m/min**
Laser Source	**MAX/Raycus /IPG**
Maximum acceleration	**1G**
Voltage	**380v three-phase 50hz**
Graphic Format Supported	**AI, BMP, Dst, Dwg, DXF, DXP, LAS, PLT**

QUALITY CONTROL LINES

Machine Bead

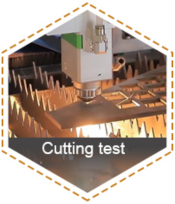
Adjust the height of the feet according to the test results ofthe strip level to ensure the accuracy of subsequent installation.

Rail Installation

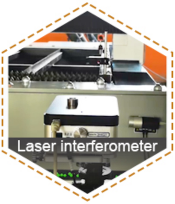
Use photoelectric autocollimator to detect the straightness and flatness of the guide rail to ensure that the detection value is with in the standard range.

Rack Installation

The relative position of the guide rail and the guide rail is locked and clamped by the measuring rod , Statistics and analysis of measurement data to ensure thatthey are parallel.


Cutting test

Simulate the high-intensity test of various harsh conditions in the actual use of the equipment,and athe same time, according to the requirements of use, rationalize the improve ment to ensure the factory pass rate and improve the reliability of the equip-


Laser interferometer

The laser interferometer tests the X/Y-axis positioning accuracy to ensure the accuracy of the whole machine.

Beam inspection

After the beam is installed,Use athree-coordinate measuring instrument tocheck the coaxiality to ensure the relative perpendicularity of the X/Y/Z three-axis.

ment.

Sample inspection

Cutting sample inspection

Packing inspection

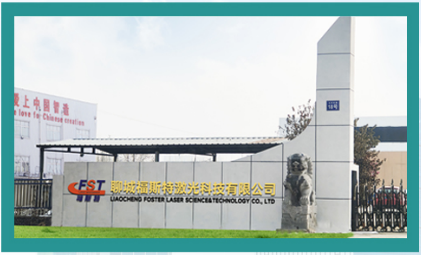
Safe multi-layer packaging, or transport in wooden cases.

CERTIFICATE OF CONFORMITY
CERTIFICATE
QUALITY MANAGEMENT SYSTEM CERTIFICATE
Certificate of Conformity
ISO 9001
FC
CE
RoHS

COMPANY PROFILE

Liaocheng Foster Laser Science & Technology Co., Ltd.

ABOUT US


FST
聊城福斯特激光科技有限公司
LIAOCHENG FOSTER LASER SCIENCE&TECHNOLOGY CO., LTD

Liaocheng Foster Laser Science & Technology Co.,Ltd.is a professional manufacturer of industrial laser equipment for 20 years.

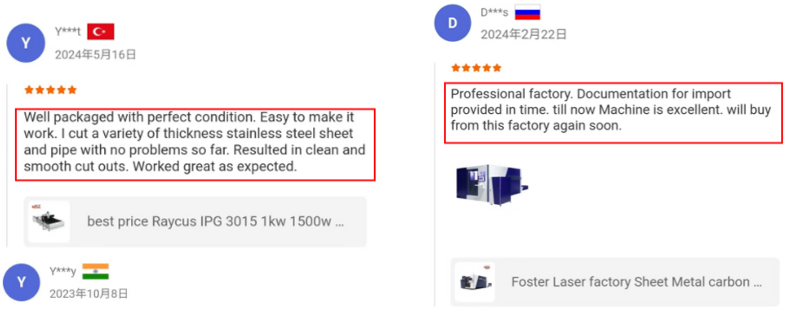
Since 2004,Foster Laser focused on the development and production of various types of laser engraving/cutting/marking/welding/cleaning machine with the advanced management,strong research strength and steady globalization strategy,Foster Laser establish more perfect product sales and service system in 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 innova-tion and make improvement".We will try our best to provide the high quality products and perfect service for clients.

EXHIBITION

FST
FST-1325

5 STAR REVIEWS



Y***t 🇹🇷
2024年5月16日

★★★★★

Well packaged with perfect condition. Easy to make it work. I cut a variety of thickness stainless steel sheet and pipe with no problems so far. Resulted in clean and smooth cut outs. Worked great as expected.

best price Raycus IPG 3015 1kw 1500w ...

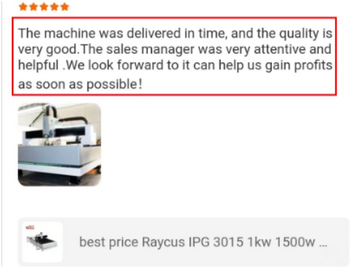
Y***y 🇮🇳
2023年10月8日

D***s 🇷🇺
2024年2月22日

★★★★★

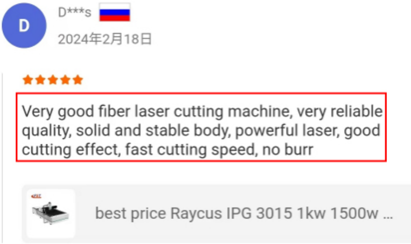
Professional factory. Documentation for import provided in time. till now Machine is excellent. will buy from this factory again soon.

Foster Laser factory Sheet Metal carbon ...


★★★★★

The machine was delivered in time, and the quality is very good.The sales manager was very attentive and helpful .We look forward to it can help us gain profits as soon as possible!

best price Raycus IPG 3015 1kw 1500w ...

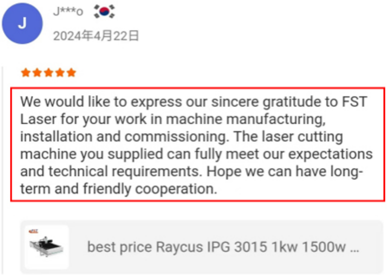

D***s

2024年2月18日

★★★★★

Very good fiber laser cutting machine, very reliable quality, solid and stable body, powerful laser, good cutting effect, fast cutting speed, no burr

best price Raycus IPG 3015 1kw 1500w ...


J***o

2024年4月22日

★★★★★

We would like to express our sincere gratitude to FST Laser for your work in machine manufacturing, installation and commissioning. The laser cutting machine you supplied can fully meet our expectations and technical requirements. Hope we can have long-term and friendly cooperation.

best price Raycus IPG 3015 1kw 1500w ...

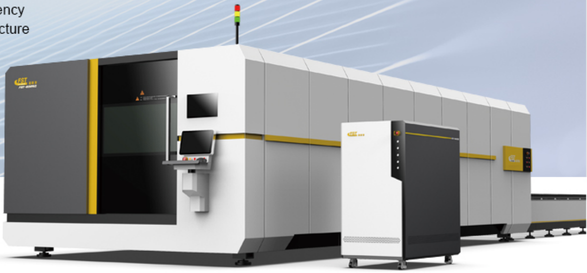
OTHER MODELS

PH Series

FST-6025

FULL ENCLOSED FIBER LASER CUTTING MACHINE

Fast Speed Cutting, Improve Efficiency
Brand New Double-beam Bed Structure



FST-3015

FM Series (Above 6000W)

FLATBED FIBER LASER CUTTING MACHINE

Fast Speed Cutting, Improve Efficiency
Efficient And Practical, Completely Upgraded

FST-3015
FST

FST-3015

FT Series

DUAL-USE SHEET & TUBE
FIBER LASER CUTTING MACHINE

Save Working Space
Sheet And Tube Integrated For Efficient Cutting

FAT Series

FST-6012

FULLY AUTOMATIC LASER TUBE CUTTING MACHINE

Side-Mounted Laser Pipe Cutting Machine
All Kinds Of Pipes Are With in Reach

FST-6024

T Series

LASER TUBE CUTTING MACHINE

Fully Automatic Self-Centering Pneumatic Chuck
Visible Enclosure
Pneumatic Roller Support