ODM&OEM

DOUBLE WIRE FEEDER FIBER LASER WELDING MACHINE

LASER WELDING

LASER CUTTING

LASER CLEANING

WELD SEAM CLEANING

PRODUCT ADVANTAGES

- 4 in 1 with Super cost-effective
- 0.7Kg Smallest size welding torch
- Up to 3KW Laser
- Faster welding speed （Welding 7.2 meters in 1 minute）
- Wire feeding device attachment

* Different models have different parameters and weights.

01

SELLING POINT

FOSTER LASER

01 Supports wider welds

Double wire feeding welding machine has two wire feeding machine structure, can simultaneously send two welding wire to the welding area, in order to support wider weld,support 4-5mm weld width,increase the filling speed of the welding wire, in welding thick plate or large weld, can complete the welding faster, improve work efficiency.

02 Multifunctional use

It has dual functions of single wire feeding and double wire feeding, and its flexible design makes it easy to deal with various complex work scenarios. Whether it is fine work or high-intensity tasks, it can be easily used, and truly realize the efficient concept of multi-use.

03 Reduce welding defects

Accurately control parameters such as wire feeding speed and current intensity, adjust heat input and molten pool state, reduce welding defects such as porosity and cracks, and improve weld quality.

04 High joint strength

With an increase in the amount of metal filling in the weld seam, the melting and fusion of the welding wire are more complete, resulting in high strength and good mechanical properties of the welded joint, which can meet the requirements of high-strength structures.

05 Multiple material welding

can weld various metals and alloy materials such as carbon steel, stainless steel, aluminum, copper, etc., to meet the product needs of different industries.

02

ADVANTAGES

FOSTER LASER

- Save 2-5 professional welders
- Precision welding
- Supports wider welds
- Fast welding speed
- Easy to learn no professional required
- Almost no deformation
- Welding of different metal materials
- No sanding required

Welding for stainless steel, carbon steel, galvanized sheet, aluminum, copper ...

03

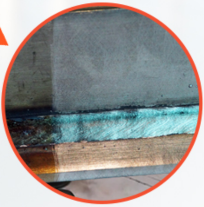
MULTI-FUNCTION

FOSTER LASER

WELDING

CUTTING

CLEANING



WELD SEAM CLEANING

4 IN 1 MULTI-FUNCTION

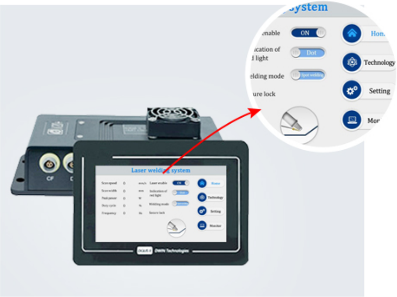
04

PRODUCT DETAILS

LASER HEAD BRAND

Support Relfar, Super chaoqiang, Qilin, Au3Tech different brands of welding head

- Safety – Temperature real-time monitoring
- Time saving – Easy replacement lens
- Lightness – Small size, easy to use and simply to operate
- 3000W – Support 3000W laser source
- Stable – Upgrade to dual protective lenses.



WELDİNG SYSTEM

Supported languages: English, Russian, German, French, Korean, Japanese, Spanish, Portuguese, Polish, etc
Support Bluetooth wireless connection.
Support USB system upgrade.

WATER CHİLLER

HanLi and S&A teyu brand can be selected. Protect the laser source and prolong the life of the laser source.

RMFL-3000
S&A

Raycus
RFL-C3000

LASER SOURCE

Famous brands such as Raycus, Max, IPG, JPT, etc. The most important part of laser welding machine. Working life is 100,000 hours.

WİRE FEEDER

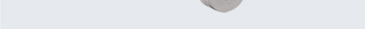
Support welding wire: 0.8, 1.0, 1.2, 1.6mm
Customizable: 2.0, 2.5mm
The welding range can be wider up to 12mm, and the stacking height is higher.
Double welding wire feeder or triple welding wire feeder can be purchased to support wider welds.

NOLZE

Different shapes of nozzles are suitable for different jobs. It needs to choose the right wire material when used with a wire feeder. When switching to cutting mode, the replacement of a special welding nozzle is very important for the welding effect.

GRAPHENE WİRE FEEDİNG TUBE AND U-SHAPED WHEEL

Laser welding of aluminum requires graphene wire feeding tube and U-shaped wheel: the wire feeding tube is resistant to high temperature, lubricated, and ensures stable transportation; The U-shaped wheel is compatible with aluminum wire, reducing drag and improving efficiency. The two work together to optimize welding and achieve precision and efficiency.



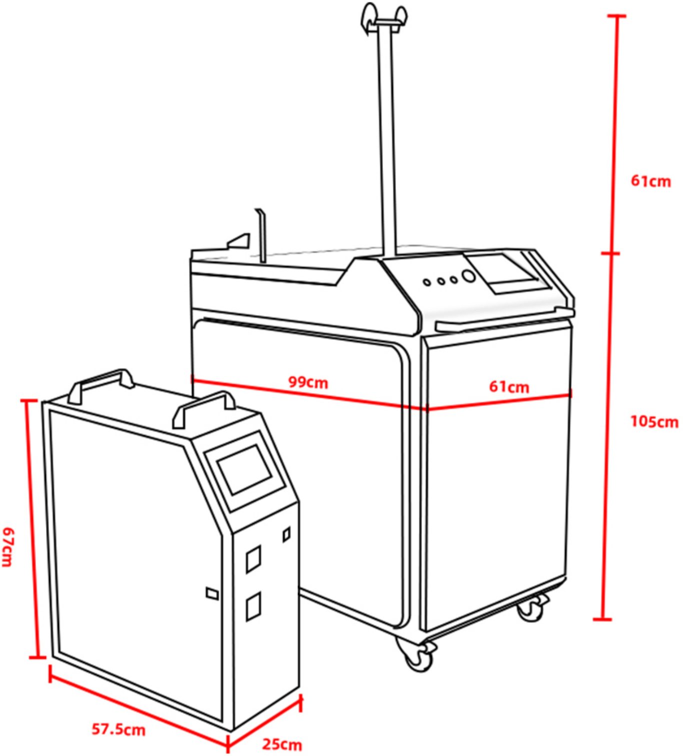
05

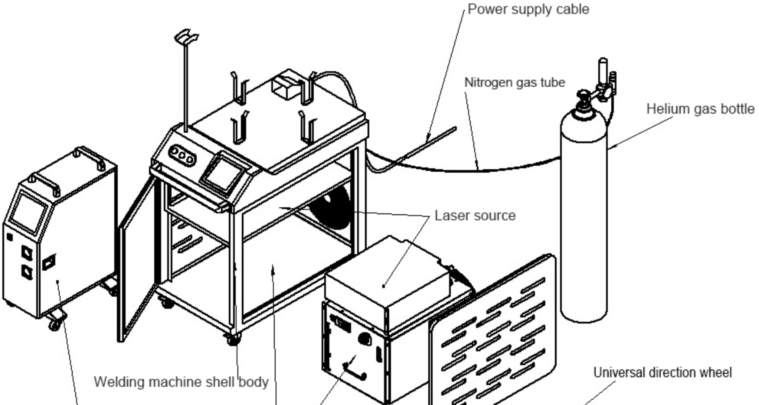
PARAMETERS

FOSTER LASER

Model	FST-Dual Wire Feed Handheld Laser Welding Machine
Average Output Power	3000W
Laser Wavelength	1080 ±10nm
Working Mode	Continuous or modulate
Optical Fiber Length	10m (customize)
Diameter of Fiber Core	50um
Adjustment Range of Power	10-100%
Auxiliary Gas	Nitrogen/Argon
Fiber Connection	QBH
Type of Welding Head	Single/double wobble head (optional)
Suitable Material	Aluminum, carbon steel, stainless steel, galvanized, etc
Power Supply	220V ± 10% / 380V ± 10%; 50/60 Hz AC
Welding Speed Range	0-120mm/s
Welding Thickness Range	0.5-8mm
Cooling Type	Water cooling
Working Time	24 hours
Weight	275kg

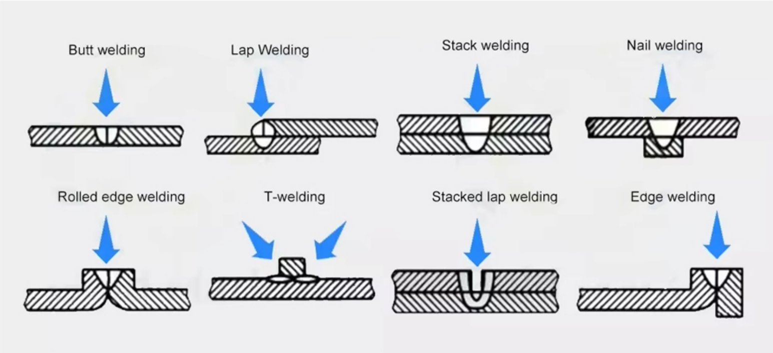
Laser power	1000W	1500W	2000W	3000W
Weld Thickness	2-4mm	3-6mm	4-8mm	6-12mm





Double wire feeder
Water chiller

Suitable for welding complex seams and various devices



06

FUNCTION DISPLAY

FOSTER LASER

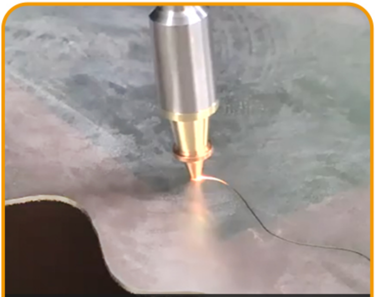
WELDING FUNCTION

CLEANING FUNCTION

Fast welding speed and improves welding efficiency.
Good welding effect, improve the yield rate.
Easy to operate, inexperienced people can quickly learn how to operate the equipment within 5 minutes, saving labor costs for factories

The cleaning function is available by replacing the front of the laser head and switching the control panel to cleaning mode.Laser cleaning can quickly remove rust from metal surfaces, and factories that process carbon steel will often use this function.

Relfar: 0-80MM. **Qilin: 0-40MM.**
Super chaoqiang: 0-120MM.



CUTTING FUNCTION

Change the parameters in the control panel, and choose the nozzles for cutting, the machine can be switched to the cutting mode.It is able to cut thin metal sheets easily and quickly, speeding up factory production efficiency.

WELD SEAM CLEANING

The weld cleaning function can remove the contaminants or oxides on the weld surface, making the weld more clear and smooth. It is an efficient, environmentally friendly, accurate, widely applicable and adjustable cleaning technology, which can meet the needs of customers with higher requirements.

07

ONE-STOP SHOPPING ...

FOSTER LASER

Welding Wire

Extra Torch Head

Consumable Lens

We supply spare parts consumables

08

COMPARISON

FOSTER LASER

Laser welding machine		Traditional welding machine (Co2 arc welding,Argon arc welding)
More than 5 times	Speed	Slow
Less	Heat input	More
Less	Work piece deformation	More
Eco-friendly	Environmental protection	Not eco-friendly
No professional required	Welder requirements	Must be professional
Easy	Subsequent processing	Difficulty
Secure	Secure	Unsafe
Better bonding strength	Welding quality	Average quality
Low cost	Welding cost	High-cost

Very easy

Operation

Difficulty

THE COST

TRADITIONAL WELDING MACHINE VS LASER WELDING MACHINE

Class	Traditional welding machine	Laser welding machine
Number of workers	3 people	1 people
Worke's salarry	3,000 USD	1,000 USD
Number of polishing workers	1 people	0 people
Polishing worke's salarry	1,000 USD	0 USD
Total monthly	4,000 USD	1,000 USD
Annual total	48,000 USD	12,000 USD

Using laser welding machine,
It can save two labor costs and 36,000 dollars per year.

09

UPGRADE

FOSTER LASER

Professional Cleaning Scope

Relfar: 200,300MM. Super chaoqiang: 150,225,300MM. Qilin: 150*150MM.

Welding Head

Cleaning Head

10 ACCESSORIES

FOSTER LASER

Tool protection

Goggles

Copper nozzle

Protective lens

Air tube

Hexagon tool

Air pressure regulating valve

Chiller accessories

FST

Hand-held laser welding machine

USER MANUAL

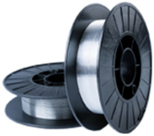
Instruction Manual

OPTIONAL ACCESSORIES

Dust free protective bag

Graphite wire feeding tube

Cleaning components



Welding wire

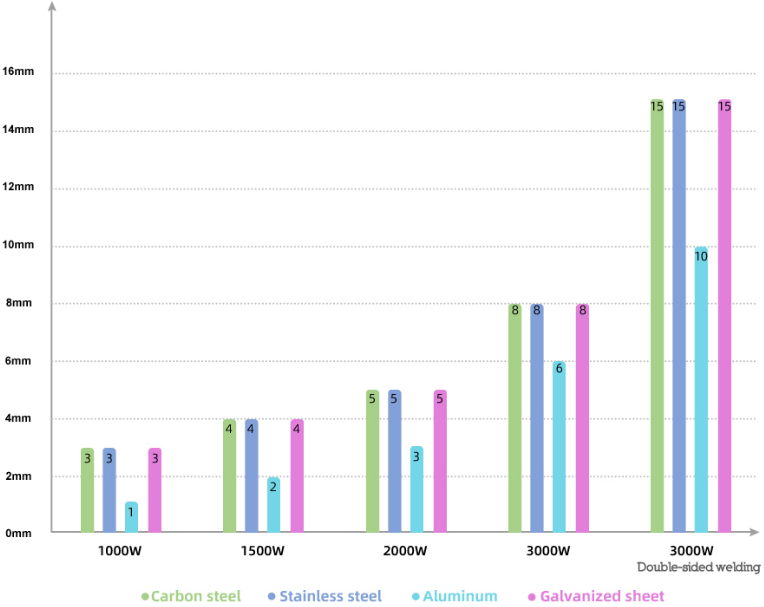
One year lens consumables

Four wire feeder

11

WELDING ABILITY

FOSTER LASER

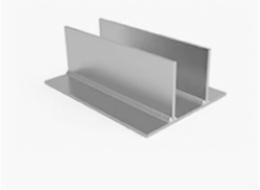


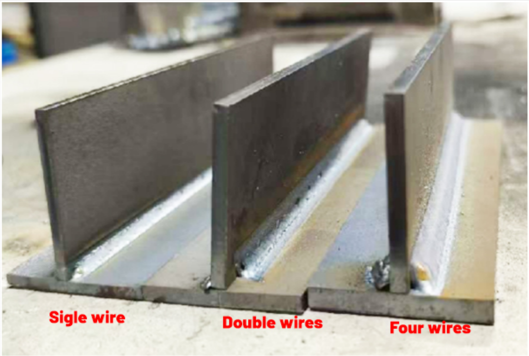
12

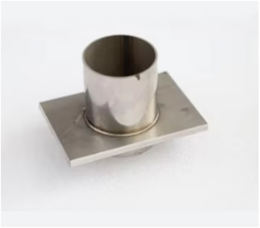
SAMPLE

FOSTER LASER

Can be used for welding wider welds, with a wider range of applications
The body parts, wheel hubs, steel structure, welding width,
and stacking height must meet the requirements, and the double wire feeder can meet them
Supports welding of stainless steel, carbon steel, galvanized sheet, aluminum, iron and other materials.







13

TUTORIALS

FOSTER LASER

Laser welding machine

Laser welding machine

FST 福斯特
FIBER LASER WELDING MACHINE
FOR WELDING DIFFERENT KINDS OF METAL MATERIALS
• STAINLESS STEEL
• ALUMINUM
• CARBON STEEL
• BRASS...

FIBER LASER WELDING MACHINE
OPERATION TUTORIAL
FST 福斯特

14

APPLICATIONS

FOSTER LASER

Electronics industry

Hardware industry

Machinery Parts

Electrical industry

Food processing

Medical equipment

Automobile making

Aviation industry

Shipbuilding industry

10 YEARS PROFESSIONAL ODM/OEM MANUFACTURER OF LASER EQUIPMENT

30,000m^2+

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.

CE ISO RoHS FC SGS

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

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.

世界爱上中国智造
rldwide love for Chinese creation
18号
FST
福斯特
聊城福斯特激光科技有限公司
LIAOCHENG FOSTER LASER SCIENCE&TECHNOLOGY CO., LTD

WIPO
WORLD
INTELLECTUAL
ORGANIZATION

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

- ☑ Strict Quality Control Standards
- ☑ Authoritative Certification
- ☑ Brand Guarantee

CERTIFICATE
CERTIFICATE OF CONFORMITY
Certificate of Conformity
Supplier's Declaration of Conformity
RoHS

Machine cleaning and
Protective oil processing

Wrapping with
protective film

Forklift moving goods

Transportation

Container Sealing

Container loading

MAERSK

msc

COSCO SHIPPING

CMA CGM

EVERGREEN

Hapag-Lloyd Flug

FST
福斯特

EXHIBITION

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

VIEW MORE >>

FST
FOSTER LASER

FAQ | Welcome to contact us

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?

Q

When I get this machine, how do I use it?

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.

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.

Q

What is the payment terms?

A

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

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.