



SUITCASE-TYPE PULSED LASER CLEANING MACHINE

100W/200W/300W/500W

Rust/Paint/Oil Removal No Damage

OEM&ODM



Suitcase-type Pulsed Laser Cleaning Machine is a new type of high-power cleaning equipment. It features a unique air cooling system, which can be applied to various working scenarios. The power ranges from 100W, 200W, 300W, 500W. Different control systems are available for selection. The operation is simple and it is the best choice for users. It is mainly used for rust removal, paint removal, glue removal, coating removal and plating removal. It is suitable for removing rust layers and thick paint layers, as well as surface roughening, weld cleaning and other process steps. The efficiency is extremely high. It is widely used in industries such as aviation, ships, cultural relic protection, automotive accessories, food industry, railways, rubber molds and others.

1. Non-contact cleaning

Non-contact cleaning, and it will not cause any damage to the component structure.

2. High power&Fast cleaning speed

Compared with lower laser power cleaning machines, with 62.5mj and 100mj maximum pulse energy, 8 cleaning modes, it can clean metal, steel, stone and other materials in a shorter period of time, which can save your time cost of cleaning work.

3. PORTABLE TROLLEY DESIGN

Ergonomic retractable pull rod + silent wear-resistant rollers, support dragging & hand carrying. One person can move the machine across workshops or outdoor sites freely, even for stairs and narrow aisles. No forklift or hoist equipment needed.

4. Precise cleaning

Precision cleaning, the laser removal machine can achieve selective cleaning and precise location .

5. Simple operation & high efficiency

The operation is very simple. Just connect the power supply and it can automatically clean. the cleaning efficiency is extremely high and it saves a lot of time.

ULTIMATE PORTABILITY

Freely move around your workplace. Equipped with a retractable trolley handle, our suitcase machine enables effortless transportation.

All-in-one Design, Ready to Use Instantly

Ultra-Portable Design

Integrated Cooling System

Ergonomic & Easy Operation



HIGHER CLEANING EFFICIENCY

Cleaning width

160*160mm

Imported quartz field Lens can support higher laserpower,Better stability and higher efficiency. It supportsa variety of field Lens specifications,Adapt to moreapplication scenarios.

Lens specifications	Cleaning width
F160	80*80mm
F254	130*130mm
F300	160*160mm



POWERFUL SOFTWARE

DHCP has 10 security alarm protection systems, The product is more stable. Support multiple IO Modbus More communication methods and control functions. Simultaneous support LOGO, interface and specific function customization.



*10 items of safety alarm protection

*Control function more abundant

*Support IO/MODBUS Multiple communication methods

*Support logo, interface and specific function customization

8 CLEANING MODES ARE OPTIONAL

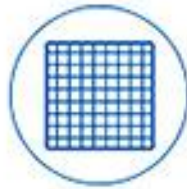
Better cleaning effect

8 cleaning modes are optional

Supports 8 cleaning modes, which can be applied to many kinds of complex cleaning scenarios. Support slow rise and slow drop of laser power. Realtime control, better cleaning effect, no damage to the substrate.



Rectangle



Grid



Helix



8 Characters



Petal



Wave



Elliptic



Straight line

SUPPORT 15 LANGUAGE SWITCHING

Supports 15 language switching, which can accommodate more Used by national users. There is no obstacle in man-machine communication.



AIR COOLING

Unique air-cooling system, Protect the laser source and prolong the life of the laser source.

Water-cooling free, maintenance-free, portable, and longer lifespan



LASER SOURCE

JPT pulse laser, with a laser power of 100w/200w/300w/500w optional, perfect laser characteristics and good pulsed shape control capability. The advantage of pulse energy higher and uniform distribution of output spot Energy.



PARAMETERS

Machine Name	Suitcase-type Pulsed laser cleaning machine
Laser Power	100W/200W/300W/500W
Laser Source	JPT
Laser Source Model	1000-50 Multimode
Laser Model	Flat Top Light
Fiber Beam Quality	<9M ²
Maximum Single Pulse Energy	62.5mj-100mj
Cleaning efficiency (paint)	30m ² /h 10x faster than traditional methods
Cooling system	Air cooling
Laser Operation Mode	Pulse
Maximum Output Power	500W
Power adjustment range (%)	0-100%
Fiber Cable Lenth	Standard 5m
Laser Pulse Frequency	20-1000KHZ

PARAMETERS

Working Temperature	5~35°C
Cooling Water Temperature	28°C
Supply Current	>32A
Power Instabilit	Less than 5%
Operation Method	Handheld
Auxiliary Gas Description	Dry gas (oxygen/nitrogen)
Weight	50kg (300W)





PULSE LASER CLEANING MACHINE



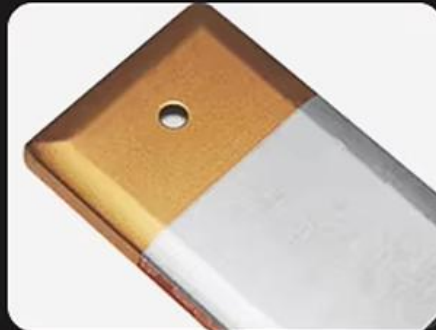
FIBER LASER CLEANING MACHINE

	PULSE LASER CLEANING MACHINE	FIBER LASER CLEANING MACHINE
THERMAL EFFECT	Ultra- low heat No burn, no deformation	Continuous heating Easy to overheat
CLEANING RANGE	Thick rust, thick paint, glue, oxide, coating, oil	Thick rust, Light oil, dust, thin oxide, thin contamination
COOLING SYSTEM	Air cooling (mainstream) Maintenance-free, easy to move	Mostly water cooling High maintenance cost
CLEANING EFFICIENCY	3–10× faster Up to 30 m ² /h for thick paint/rust	Operates at medium speed, suitable for removing thick rust.
START TIME	Fast, almost no need to warm up	It takes time for the cooling system to start up and stabilize
PORTABILITY & MOBILITY	Light, compact, easy to move; for outdoor/sites	Not convenient for movement; suitable for use on a fixed workbench.
COST & MAINTENANCE	Lower running cost, longer lifespan	Higher maintenance cost

APPLICABLE MATERIAL:

Applicable materials: It can be applied to various materials such as aluminum, copper, zinc, steel, alloys, metal surfaces, rubber mold surfaces, welding parts surfaces, cultural heritage surfaces, and automotive parts surfaces.

Application fields: Widely applicable to the aviation industry, shipbuilding industry, cultural heritage protection, automotive parts industry, rubber mold industry, electronic manufacturing industry, precision machinery industry, metal processing industry, etc.



10 YEARS PROFESSIONAL ODM/OEM MANUFACTURER OF LASER EQUIPMENT

30,000m²+

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

1



Machine cleaning and
Protective oil processing

2



Wrapping with
protective film

3



Forklift moving goods



4



Container loading

5



Container Sealing

6



Transportation

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?

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.

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,Online 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.