OEM&ODM

PULSE LASER CLEANING MACHINE

100W/200W/300W/500W/1000W

S&A
1000W
WATER COOLING

High-Efficiency

Extended Automation

Environmentally Friendly

Support Customization

1000W water-cooled pulsed laser cleaning machine is a new type of high-power cleaning equipment. It features a unique water cooling system, which can be applied to various working scenarios. The power ranges from 100W, 200W, 300W, 500W, 1000W. 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.

01 FEATURE

NON-CONTACT CLEANING

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

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.

ENVIRONMENTAL PROTECTION

The laser cleaning rust machine can remove rust without any chemical no supplies, cleaning fluid, safety and environmental protection.

PRECISE CLEANING

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

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.

EXTENDED AUTOMATION

Can be equipped with a Robot, implementing automated operations, which can be applied to car cleaning.

02 DETAILS

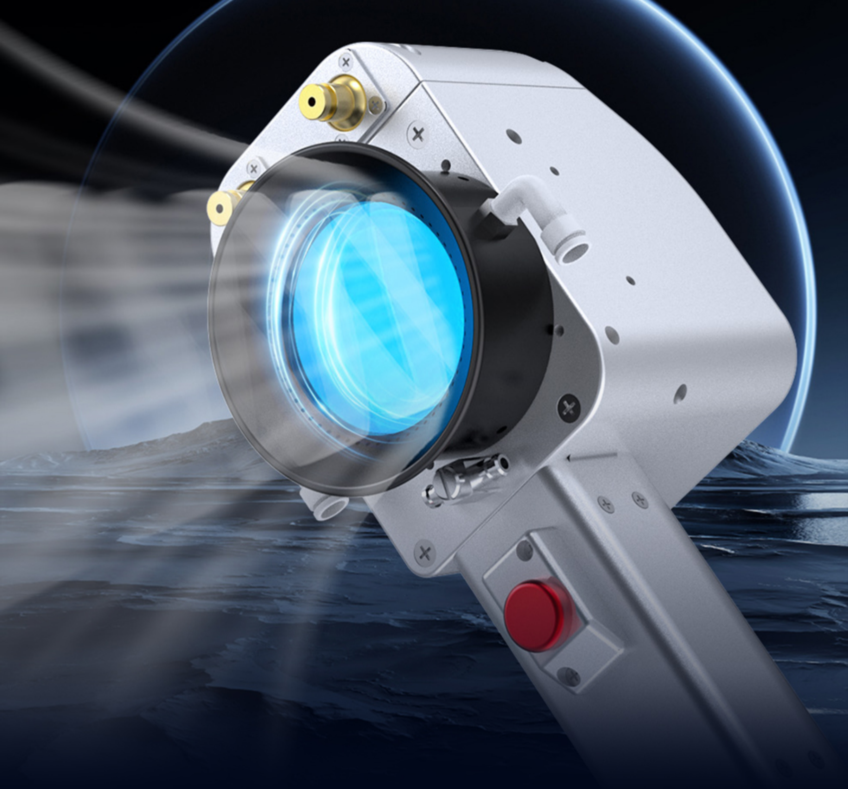
ZBTK DHCP1000
LASER HEAD

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

- Adopts self-developed high-speed galvanometer motor,The product structure design is more reasonable and the stability is higher.compatible with current AI mainstream lasers on the market, supporting structure customization,The cable can support up to 50 meters.

- The unique multi hole annular air knife design ofwind tunnel,All directional protection and protection ofthe lens enable DHCP1000 to Can be more safe andstable in the working environment of,Betterimprove cleaning efficiency.

Lens specifications	Cleaning width
F160	70*70mm
F254	100*100mm
F300	150*150mm
F500	200*200mm



ZBTK DHCP1000
CONTROL SYSTEM

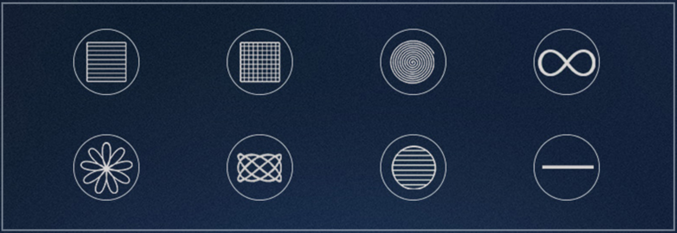
- ⊙ DHCP1000 has 10 security alarm protection systems,The product is more stable. Support multiple IO Modbus More communication methods.and'control functions.

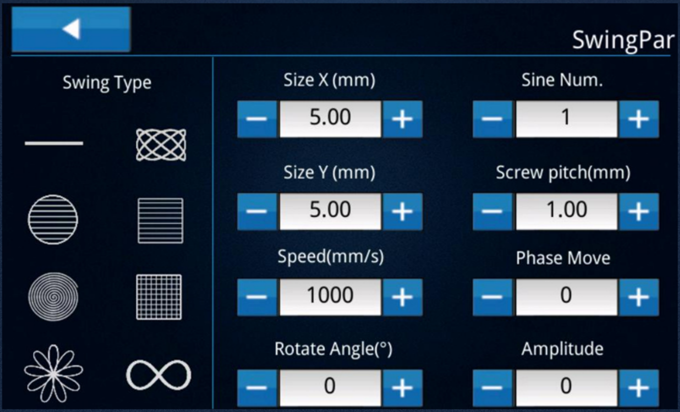
- Supports 15 language switching,which can accommodate more Used by national users. There is no obstacle in man-machine communication.

Settings
Correct
IO
Temp.
Users
Others
Versions
PwrRamp.
DynPar.

8 CLEANING MODES

- DHCP1000 supports 8 cleaning modes, which can be applied to many kinds complex cleaning scenarios,Support slow rise and slow drop of laser power Real time control, better cleaning effect, no damage to the substrate.





SwingPar

Swing Type

Size X (mm) 5.00

Sine Num. 1

Size Y (mm) 5.00

Screw pitch(mm) 1.00

Speed(mm/s) 1000

Phase Move 0

Rotate Angle(°) 0

Amplitude 0

LASER SOURCE

JPT pulse laser,with a laser power of 100w/200w/300w/500w/1000W optional,perfect laser haracteristics and good pulseshape control capability.The advantage of pulse energy higher and uniformdistribution of output spot Energy.

POWER
OFF
EMERGENCY
JPT

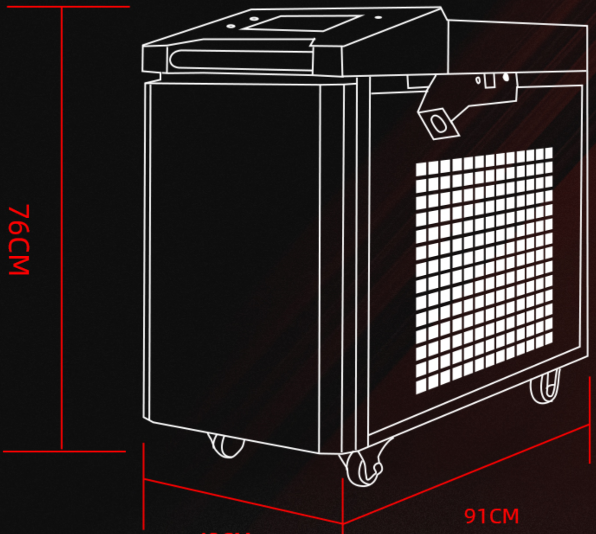
WATER CHILLER

HanLi and S&A teyu brand can be selected.
Unique water-cooling system,Protect the laser source
and prolong the life of the laser source.

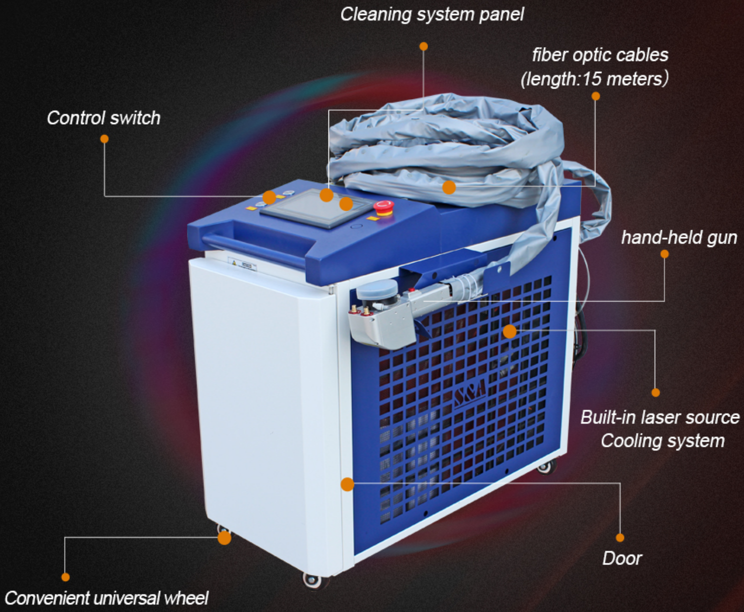
03 PARAMETERS

Machine Name	Pulsed laser cleaning machine
Laser Power	1000w
Laser Source	JPT
Laser Source Model	1000-50 Multimode
Laser Model	Flat Top Light
Fiber Beam Quality	<9M2
Maximum Single Pulse Energy	50MJ
Cleaning efficiency (paint)	30m2/h

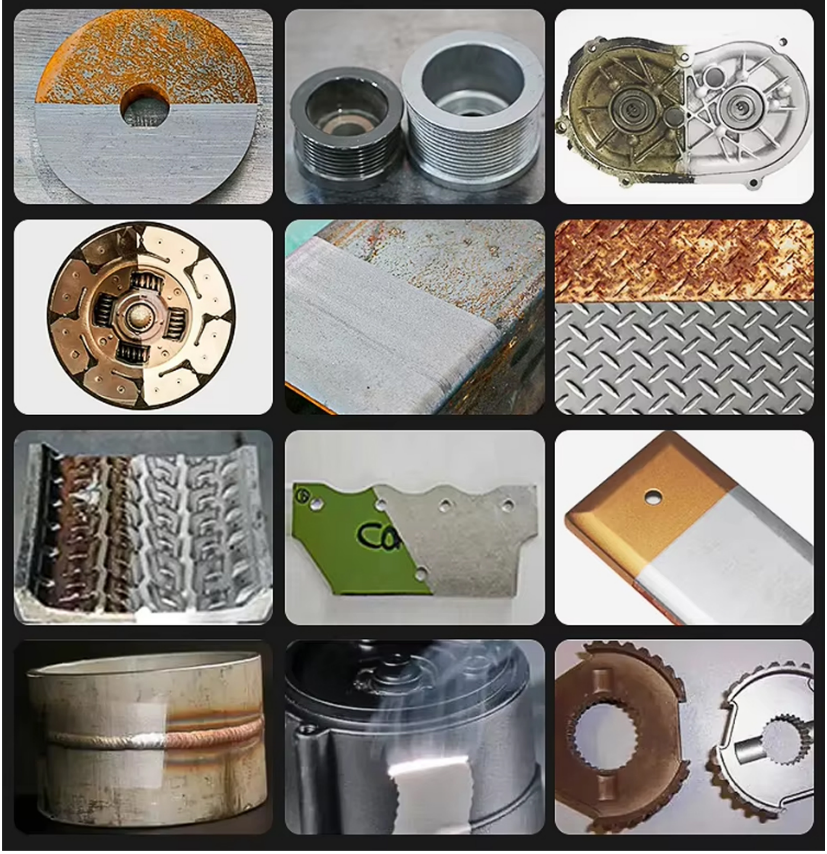
Water Chiller	Hanli/S&A
Laser Operation Mode	Pulse
Pulse Width	30-500 NS
Maximum Output Power	1000W
Power adjustment range (%)	0-100%
Fiber Cable Lenth	15m
Laser Pulse Frequency	20-1000KHZ
Cleaning Model	8 Kinds
Working Temperature	-5~35°C
Cooling Water Temperature	28°°C
Supply Current	> 32A
Power Instabilit	Less than 5%
Operation Method	Handheld
Total Power	5000W
Auxiliary Gas Description	Dry gas (oxygen/nitrogen)
Machine Size (L*W*H)	910*430*760 mm
Net Weight	109 kg



43CM



04 APPLICATION



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.

天人合一
以信为本
用仁义道德实现企业可持续发展
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
Laser equipment
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 OF CONFORMITY
CERTIFICATE
Certificate of Conformity
Proof of RCM Compliance
Supplier's Declaration of Conformity
QUALITY MANAGEMENT SYSTEM CERTIFICATE

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
Laser equipment
福斯特

EXHIBITION

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

VIEW MORE >>

FOSTER LASER
FST 福斯特

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.