100W / 200W LASER CLEANING MACHINE

SMALL / LIGHT AND COMPACT / FLEXIBLE USE

OUR ADVANTAGE

27-inch trolley case control system:
Built-in laser,laser head and accessories

USE Directly on Power
Universal 220V power supply, plug and play

One-Touch operation Easy operation
Advanced user & normal user dual operation interface

Environmental Friendly
The most environmentally friendly industrial cleaning method

International famous brand Components

First-rate service
24-hour service

Dual use laser head
handheld & robotic hold switching time < 5 seconds

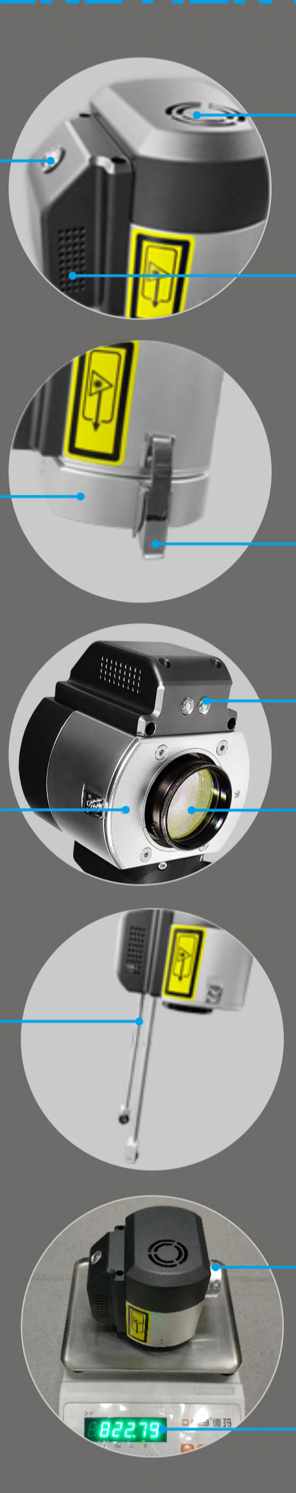
Global Top Technology Support
Comprehensive process technical support from Doctor and Master team

TECHNOLOGY UPGRADED

The fourth generation dual purpose laser head Handheld and automatic 2D laser head

Easy to hold and integrate with automation;
Easy to operate and has various functions

LASER HEAD FUNCTION INTRODUCTION



Indicator light, safety lock
Laser emission indicator, safety lock to ensure process safety

Heat sink
With cooling fan,to ensure stable operation ofthe laser head

Cooling hole
With cooling hole,to ensure stable operation ofthe laser head

Automatic mode adapter plate
Manual / automatic switching time less than 5s

Auto mode snap ring
Easy installation easy operation

Lighting device
With lighting device,it can be applied in poor light environment

Positioning hole
Manual mode auxiliary processing device positioning hole

Focus Lens
160/254/330/420 for optional, suitable for various situations. Can scan straight line,circle, spiral,rectangle,square,round fill,rectangular fill etc
It can add the appropriate scanning pattern according to customer demand

Manual mode auxiliary processing device
Easy to handheld and control the cleaning focus point

laser source connection
Suitable for isolator,QCS, QBH commonly used laser connectors in the market

Lightweight and convenient
The laser head weighs only 823g

PK OTHER LASER HEADS

First

1.The volume is too large
2.Bulky
3.Difficult to handle

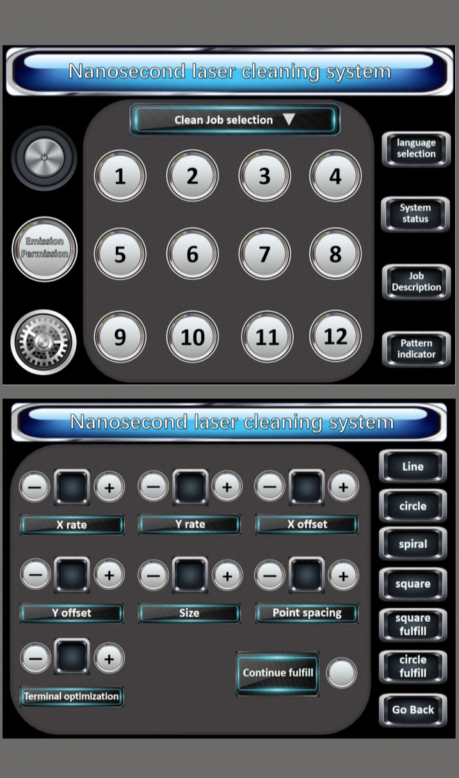
Second

1.The image has only straight line and spiral
2.Single fixed focal length
3.The knob is easy to be damaged and difficult to adjust the parameters
4.Bulky
5.Difficult to integrate automation

Third

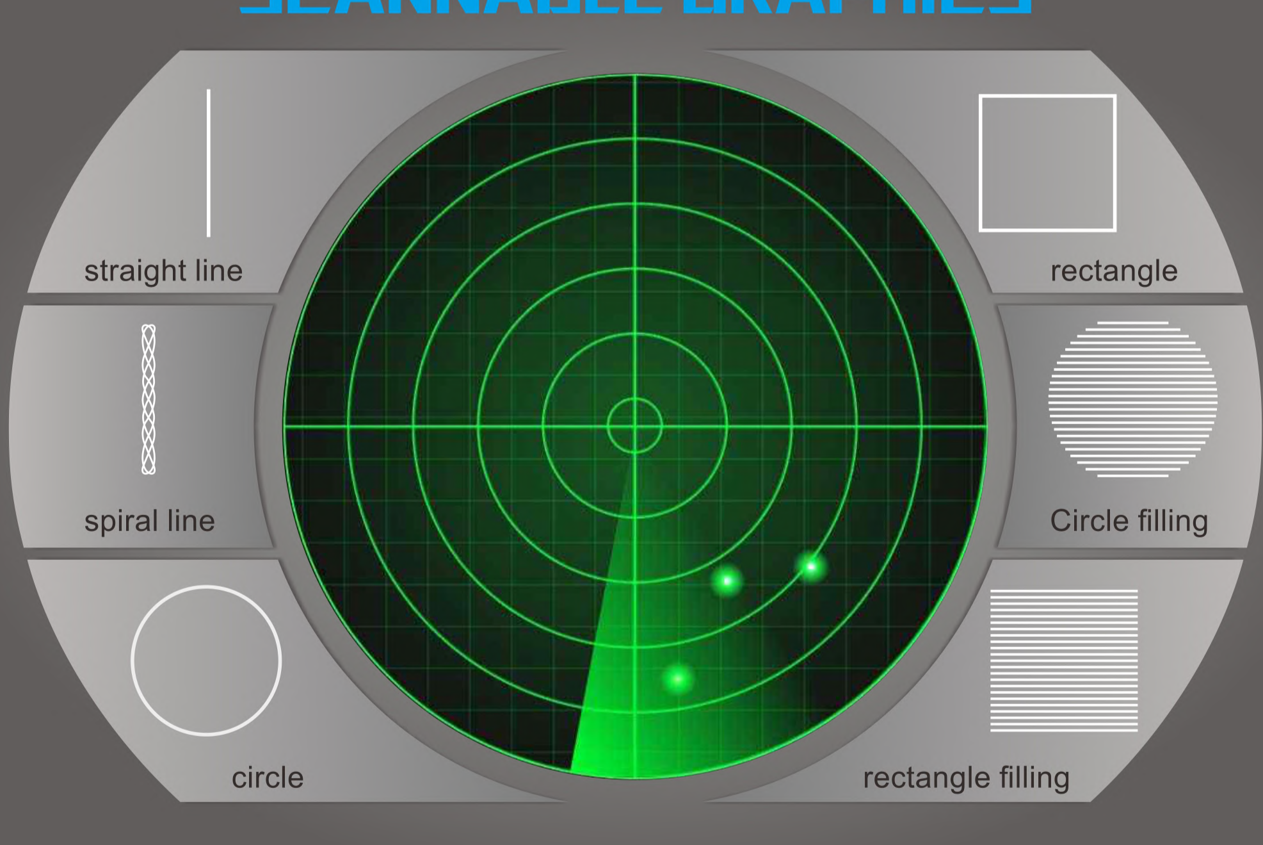
1.Poor heat dissipation,long-term use will damage the galvanometer and lens
2.Without protection,it is easy to touch the launch button by mistake,causing harm
3.Not easy to integrate automation
4.The focus is difficult to control

AIMPLE SOFTWARE PRESTORE OF VARIOUS PARAMETER GRAPHICS



1.Simple software,select prestored parameters directly
2.Prestore all kinds of parameter graphics,six kinds of graphics can be selected:straight line/spiral/circle/rectangle/rectangle filling/Circle filling
3.Easy to use and operate
4.Simple interface
5.12 different modes can be switched and selected quickly to facilitate production and debugging
6.The language can be English/Chinese or other languages(if required)

SCANNABLE GRAPHICS

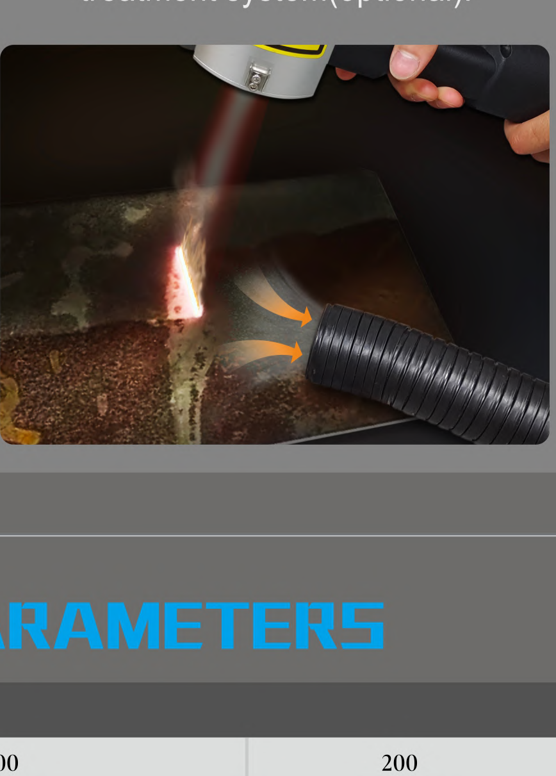


HIGH QUALITY PARTS

Stable and efficient imported / domestic famous brands (RAYCUS or IPG /Siemens /Weichuang,etc.)accessories and components are adopted to ensure the stable and reliable operation of the equipment.Easy to operate,complete and diverse functions.

USE Directly on Power
Universal 220V power supply, plug and play

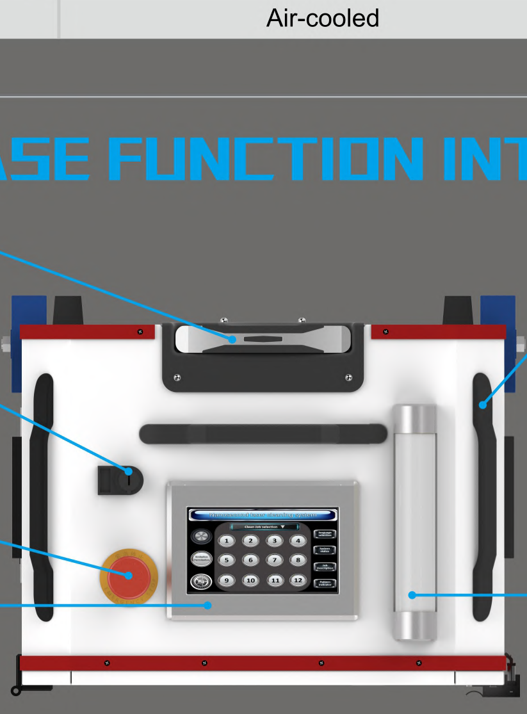
Environmental Friendly
The most environmentally friendly industrial cleaning method,
Portable dust auxiliary treatment system(optional).



TECHNICAL PARAMETERS

Max average power(W)	100	200
Output central wavelength(nm)	1064±5	1064±5
Beam quality(M^2)	≤1.6	≤1.8
Power adjustment range(%)	10-100	10-100
Output power instability(%)	≤5	≤5
Pulse repetition rate(kHz)	20-400	20-2000
Pulse length(ns)	10/20/30/60/100/200/250/350 Optional	10/30/60/240 Optional
Max pulse energy(mJ)	1	1
Fibre length(m)	3	3/5
Laser safety classification	4	4
cooling method	Air-cooled	Air-cooled

TROLLEY CASE FUNCTION INTRODUCTION



Trolley
Hand-drawn box design, more convenient to carry and move

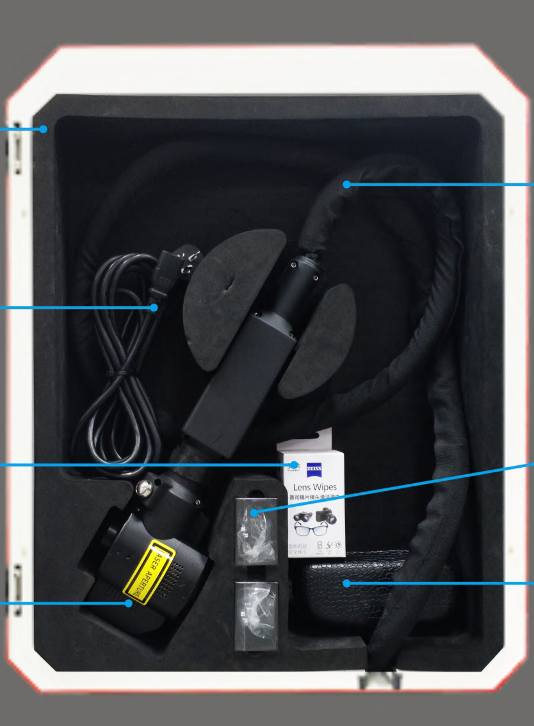
Key switch
Prevent unrelated personnel from accidentally opening

Siemens safety emergency stop switch

Display screen
More compact,double-layer screen protection film,removable surface protection film, more dustproof,cleaner,and scratch-resistant

Portable handle
Two handle sides,with the bottom of the metal handle to facilitate its side,a doublelifting and easy one-handeddouble or single lifting and pulling

Display lamp
Three-color light,red is workingstate,yellow is ready workingstate,green is normal state,which is more striking



EVA material environ-mental protection
Environmental protection,soft,beautiful. stable,fireproof,durable

Power cable

Glasses cleaning towel
Convenient and fast to remove dust and dirt

Laser head
Four generations of unique upgrades

Winding protection cable
Unique design,more beautiful,more tensile, more resistant to fall, more resistant to dirt, easier to clean

Optional Lens
F160/F254/F330 for optional

Special laser protective glasses
Professional laser protective glasses,clearer,safer and more reliable

Air inlet filter
Unique design portable removable air filter,better air intake,anti-dust dirty, easy to removal and maintenance

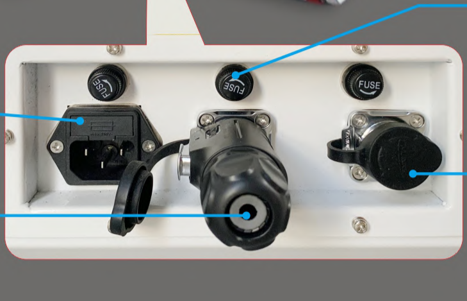
Shockproof foot pad
Unique European standard design,anti dumping,more stable and stand reliable

Shockproof foot pad
Convenient to lay flat, easyto install,maintain and repair,easy to lay flat and carry,andmore stable and reliablewhen laid flat.

Silent wheels
Unique widened and miniaturized design,more compact and beautiful,more stable,more firm,more convenient to move

Air inlet of filter screen
The unique design of portable dismounting dustproof net,better air intake,dustproof and anti dirty,easy to disassemble and maintain

Double layer screen protector
Easy to remove protective film on the surface,better dustproof,cleaner,more scratch resistant

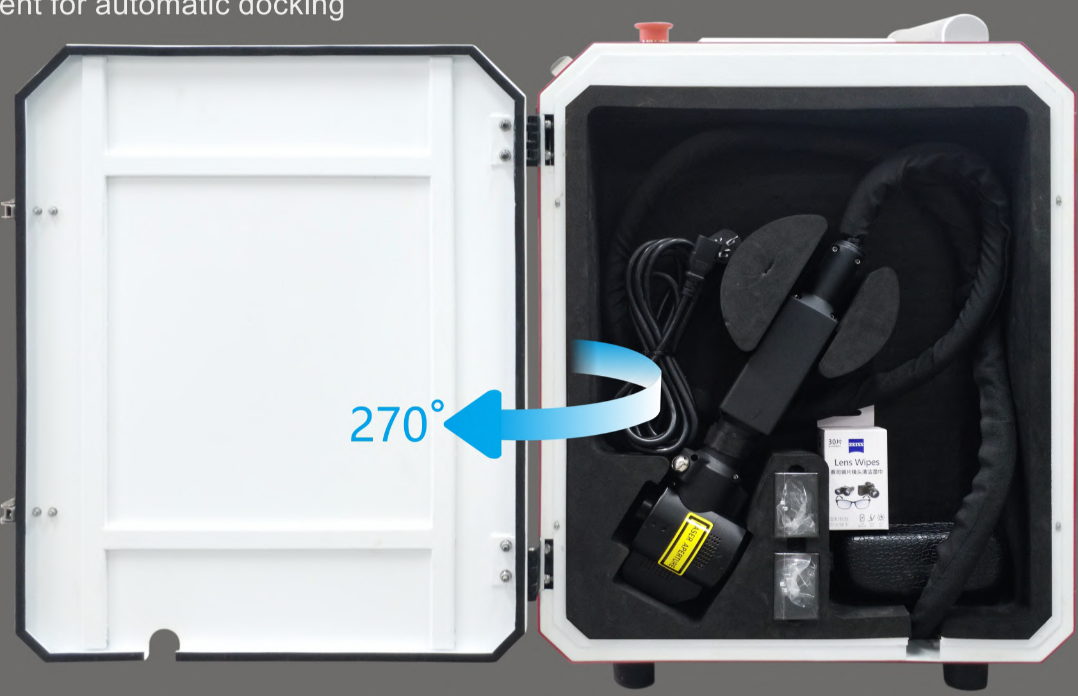


Main power connector
Easy to carry, easy to disassemble

4-Pin Waterproof Plug
Waterproof,safe,reliable, convenient for external series connection, convenient for automatic docking

Fuse
Unique safety design and external fuse make it safer, more reliable and more convenient to replace

12-Pin Waterproof Plug
Waterproof,safe,reliable, easy to program upgrade



The box door can rotate freely with 270° opening, which is more convenient to use

Bottom metal handle with side double handle,easy to side down, double lift/easy to double single hand lift or single lift

MODEL LIVE SHOW

Small

Light and compatc

Flexible use

length: 538mm width:411mm height:685mm

SAFETY SIGNS

Comply with GB 7247-2012/ IEC 60825-1:2007 safety standard
It conforms to per IEC 60825-1:2014 international laser safety level appraisal standard

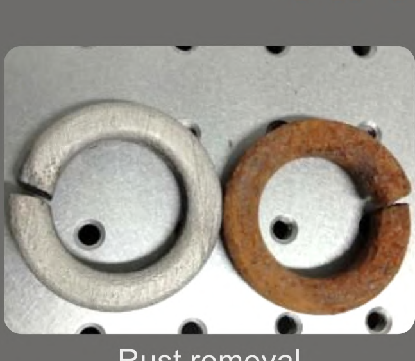
PACKAGING AND TRANOPORTATION

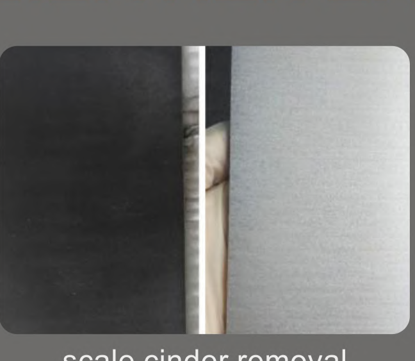
Use protective film, sponge,high shockproof foam board,etc.

Sealed in wooden case, moistureproof and shockproof

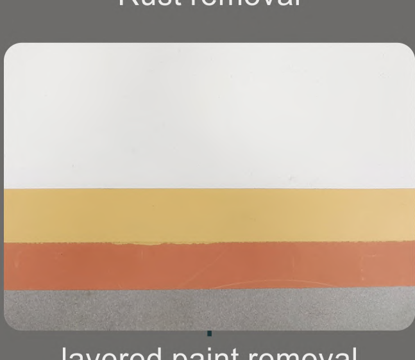
Export packing, easy to transport

APPLICATION CASES


Rust removal


scale cinder removal

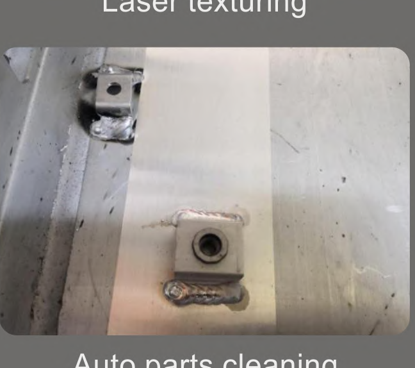
Stainless steel polishing


layered paint removal

Laser texturing

Weld laser cleaning

Coating removal


Auto parts cleaning

oil removal