

200W / 300W LASER CLEANING MACHINE

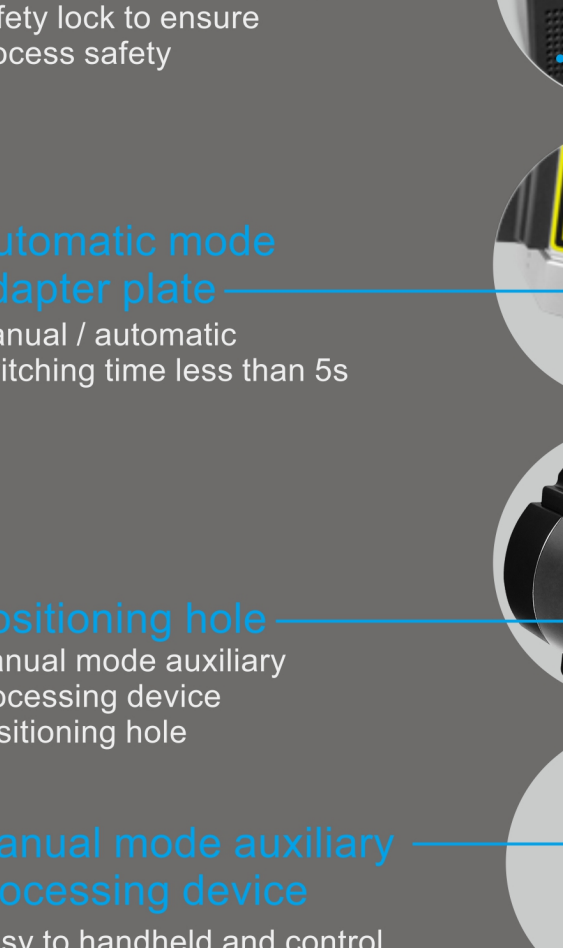
FULLY INTEGRATED MOBILE DEVICE



OUR ADVANTAGE

- ALL IN ONE**: Fully integrated mobile device. Built-in control system, laser head and water cooling system.
- 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.
- HIGHEST QUALITY**: International famous brand Components.
- 24 hours**: First-rate service 24-hour service.
- Dual**: 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

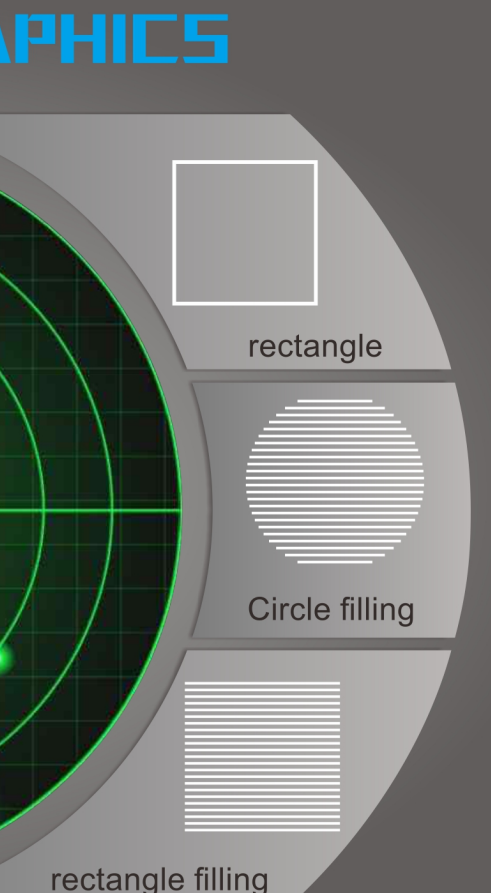
- Indicator light, safety lock**: Laser emission indicator, safety lock to ensure process safety.
- Automatic mode adapter plate**: Manual / automatic switching time less than 5s.
- Positioning hole**: Manual mode auxiliary processing hole.
- Manual mode auxiliary processing device**: Easy to handheld and control the cleaning focus point.
- Heat sink**: With cooling fan, to ensure stable operation of the laser head.
- Cooling hole**: With cooling hole, to ensure stable operation of the laser head.
- Auto mode snap ring**: Easy installation easy operation.
- Lighting device**: With lighting device, it can be applied in poor light environment.
- 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.
- 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

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

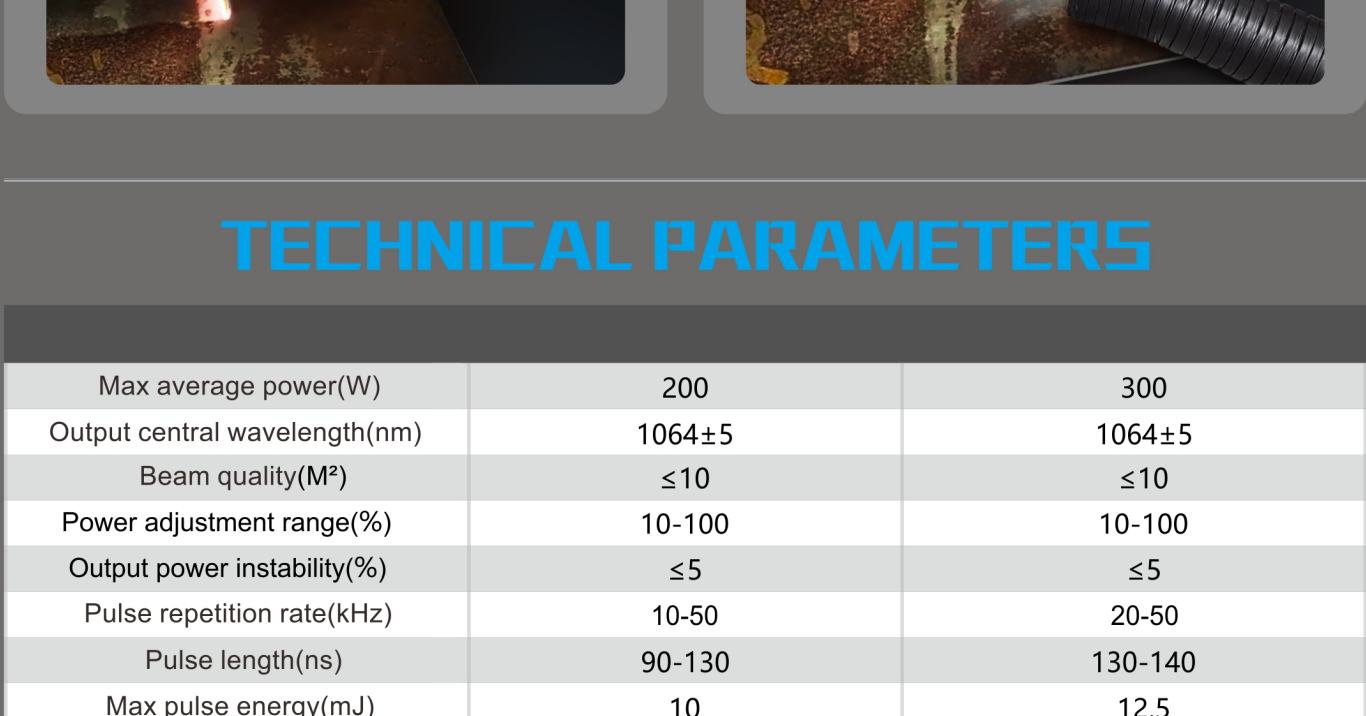


SCANNABLE GRAPHICS



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)	200	300
Output central wavelength(nm)	1064±5	1064±5
Beam quality(M²)	≤10	≤10
Power adjustment range(%)	10-100	10-100
Output power instability(%)	≤5	≤5
Pulse repetition rate(kHz)	10-50	20-50
Pulse length(ns)	90-130	130-140
Max pulse energy(mJ)	10	12.5
Fibre length(m)	5/10	5/10
Laser safety classification	4	4
cooling method	Water cooling	Water cooling

SYSTEM FUNCTION INTRODUCTION

- Display**: More compact, double-layer screen protective film, surface easy to remove, more dust-proof, more clean, more scratch resistant.
- Siemens safety emergency stop button**: Easy to push and move, strong and durable.
- Door handle**: Personalized design with lock function.
- 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.
- Four pin aviation plug**: Convenient access to external emergency stop and access control and remote laser control, with automation integration.
- Laser**: Big domestic brands (more stable and reliable).
- Key switch**: Prevent unrelated personnel from accidentally opening.
- Water tank switch**: Small and convenient.
- Display lamp**: Three-color light, red is working state, yellow is ready working state, green is normal state which is more striking.
- Key switch**: Prevent unrelated personnel from accidentally opening.
- Silent wheels**: Unique widened and miniaturized design, more compact and beautiful, more stable, more firm, more convenient to move.
- Cooling fan**: Unique heat dissipation design, easy for electrical heat dissipation, make electrical operation more stable and efficient.
- Heat sink**: Unique heat dissipation design, easy for water tank heat dissipation, make water tank operation more stable and efficient.
- Professional power socket**: More safe and reliable, durable.
- Siemens Industrial Switch**: Professional switch, more safe, stable and durable.
- Siemens safety emergency stop button**: Professional switch, more safe, stable and durable.
- Water supply part**: Personalized design, easy to add water.
- Outfall**: Personalized design, convenient for sewage discharge.

PRODUCT SIZE

length: 1080mm width: 710mm height: 1170mm

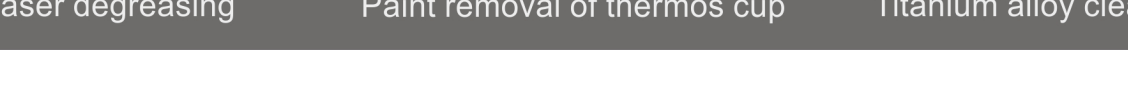


LASER HEAD SIZE



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.



APPLICATION CASES

