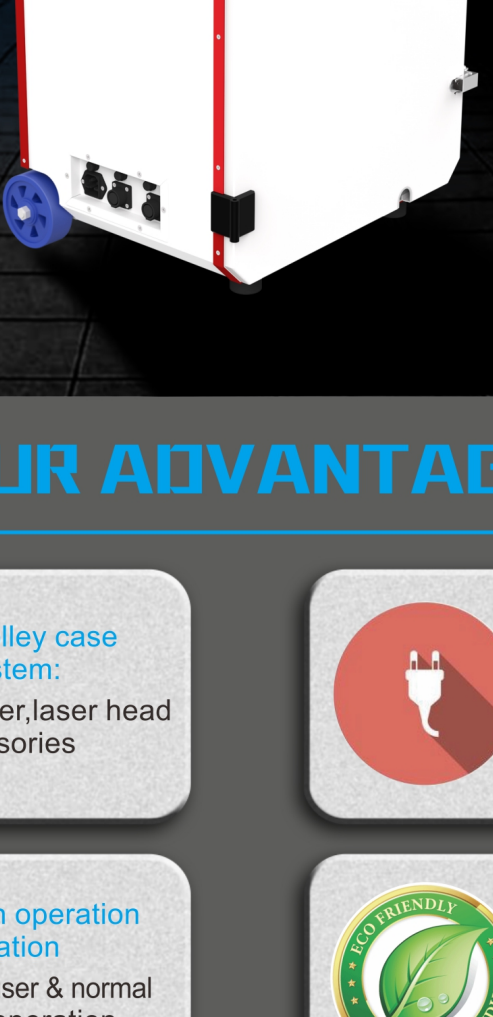


# 100W / 200W LASER CLEANING MACHINE

SMALL / LIGHT AND COMPACT / FLEXIBLE USE



## OUR ADVANTAGE

- ALL IN ONE**: 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
- 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



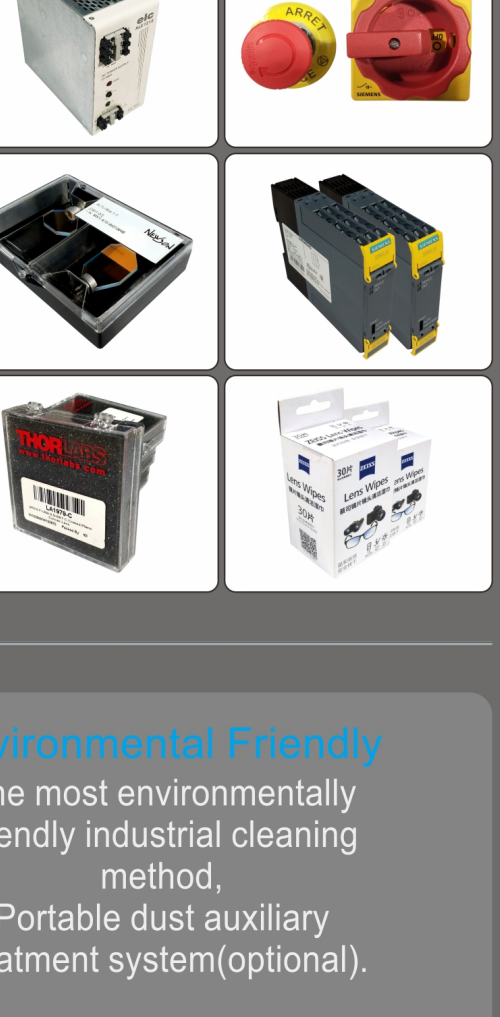
- Indicator light, safety lock**: Laser emission indicator, safety lock to ensure process safety
- Heat sink**: With cooling fan to ensure stable operation of the laser head
- Automatic mode adapter plate**: Manual / automatic switching time less than 5s
- Auto mode snap ring**: Easy installation easy operation
- Positioning hole**: Manual mode auxiliary processing device positioning hole
- 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
- 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

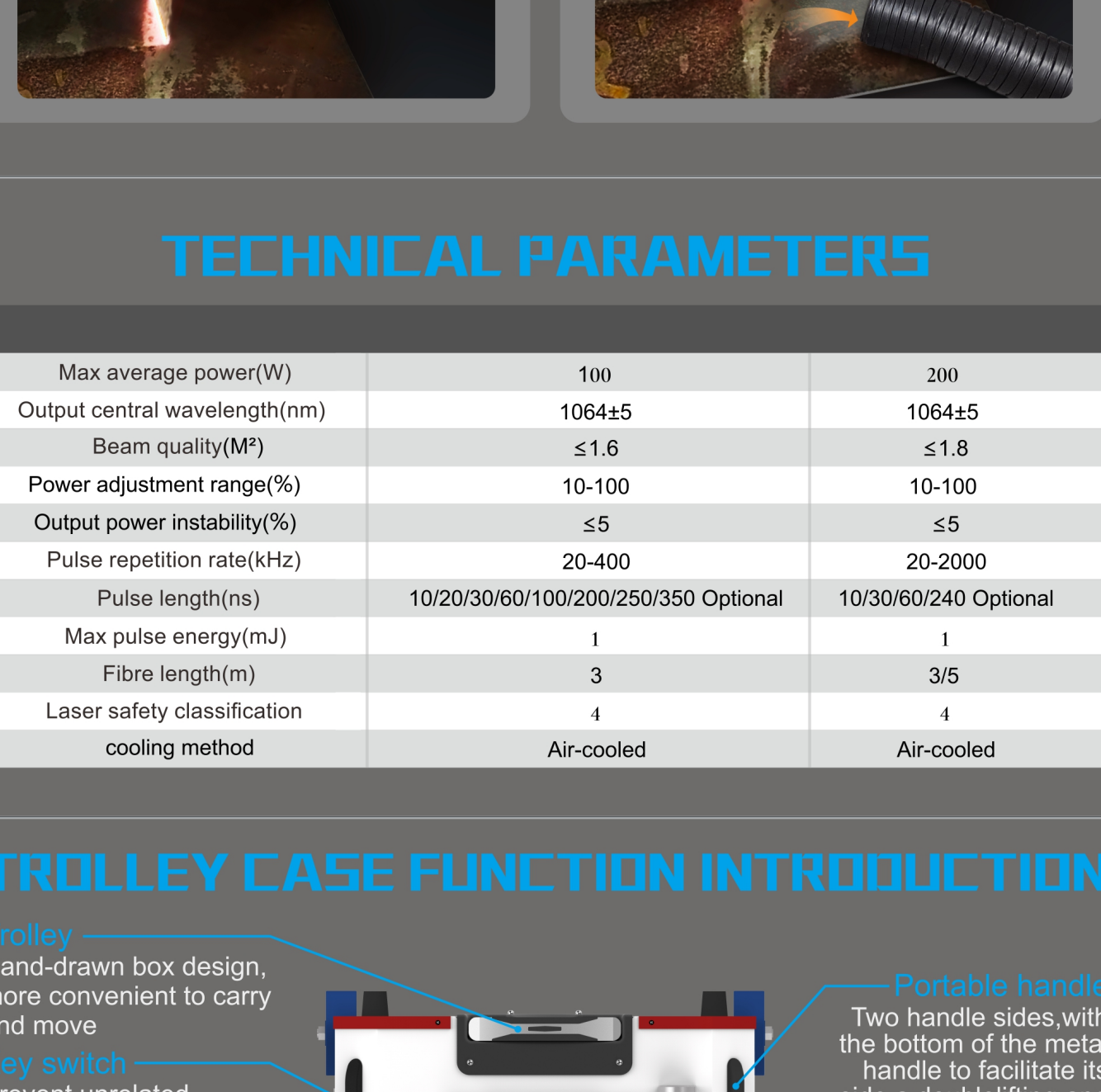
- First**: The volume is too large; Bulky; Difficult to handle
- Second**: The image has only straight line and spiral; Single fixed focal length; The knob is easy to be damaged and difficult to adjust the parameters; Bulky; Difficult to integrate automation
- Third**: Poor heat dissipation, long-term use will damage the galvanometer and lens; No protection, it is easy to touch the launch button by mistake causing harm; Not easy to integrate automation; 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

|                               | 100                                  | 200                   |
|-------------------------------|--------------------------------------|-----------------------|
| Max average power(W)          | 100                                  | 200                   |
| Output central wavelength(nm) | 1064±5                               | 1064±5                |
| Beam quality(MP)              | ≤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
- EVA material environmental protection**: Environmental protection, soft, beautiful, stable, fireproof, durable
- Power cable**
- Glasses**: 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 remove and maintenance
- Shockproof foot pad**: Unique European standard design, anti dumping, more stable and stand reliable
- 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 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

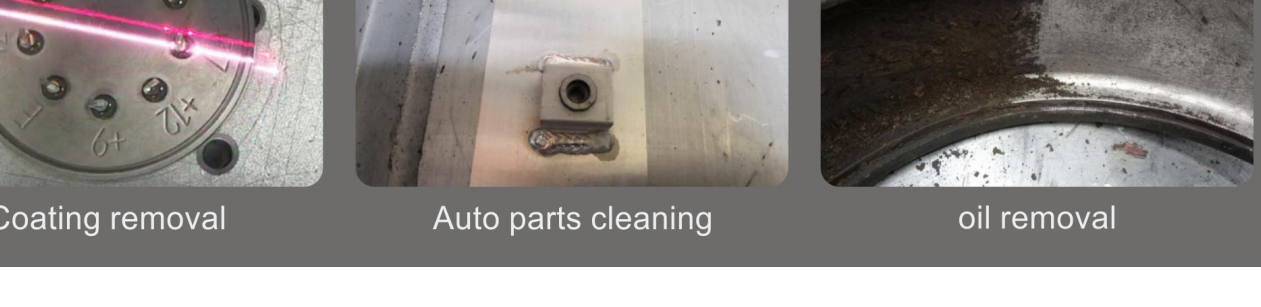
## MODEL LIVE SHOW

- Small**
- Light and compact**
- 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 TRANSPORTATION

- 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