

PULSE LASER CLEANER

200W/300W

FL-P200A/FL-P300A

AIR-COOLED PULSE LASER CLEANER

APPLICATIONS

- Corrosion, Rust & Oxide Removal
- Injection Mold Cleaning
- Biofilm Removal
- Coating & Overspray Removal
- Graffiti & Paint Removal
- Grease & Oil Removal
- Wood Restoration
- Soot Deposit Removal



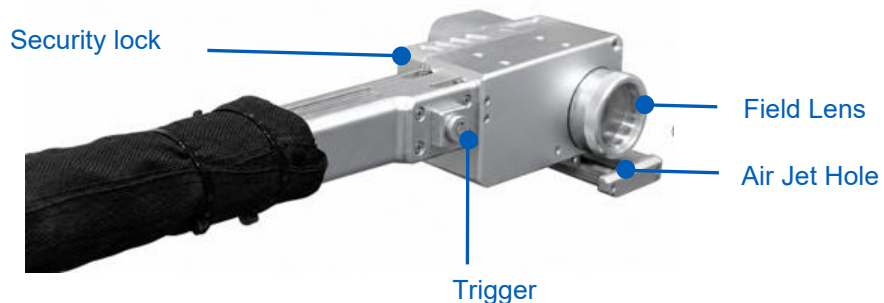
Pulse laser cleaner

Efficient, Eco friendly and precise cleaning solutions

www.fortunelaser.com



1. Product Parameters



PARAMETER	FL-P200A	FL-P300A
LASER AND GENERAL PARAMETERS		
Laser Type	Pulsed fiber laser	Pulsed fiber laser
Laser Power	200 W	300 W
Pulse Width	10–500 ns	10–500 ns
Central Wavelength	1060–1080 nm	1060–1080 nm
Maximum Single-Pulse Energy	2mJ ,5 mJ option	2mJ, 5 mJ option
Frequency Range	1–3000 kHz	1–3000 kHz
Cleaning Width	10–130 mm	10–130 mm
Fiber Cable Length	5 m	5 m
Power Supply	220 V / 50 Hz	220 V / 50 Hz
MECHANICAL AND PACKING		
Machine Weight	18 kg	18 kg
Machine Dimensions (L × W × H)	19 × 50 × 36 cm	19 × 50 × 36 cm
Package Dimensions (L × W × H)	65 × 55 × 45 cm	65 × 55 × 45 cm
Packed Weight	33 kg	33 kg



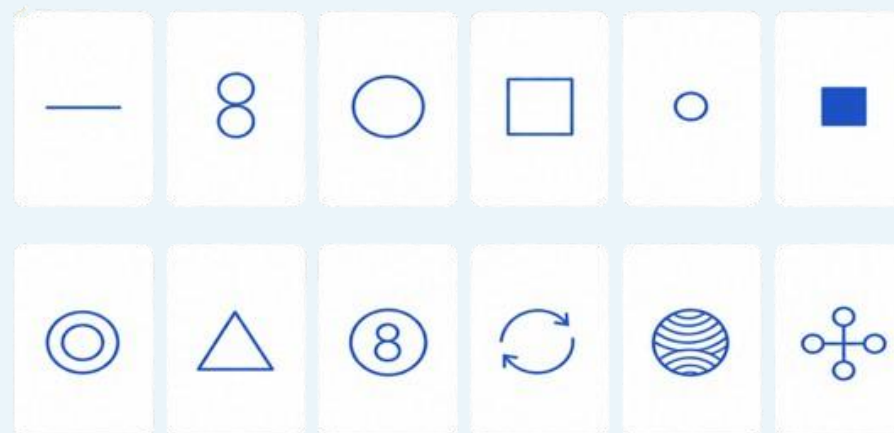
2. Mini Pulse Laser Cleaner 200W 300W



Features

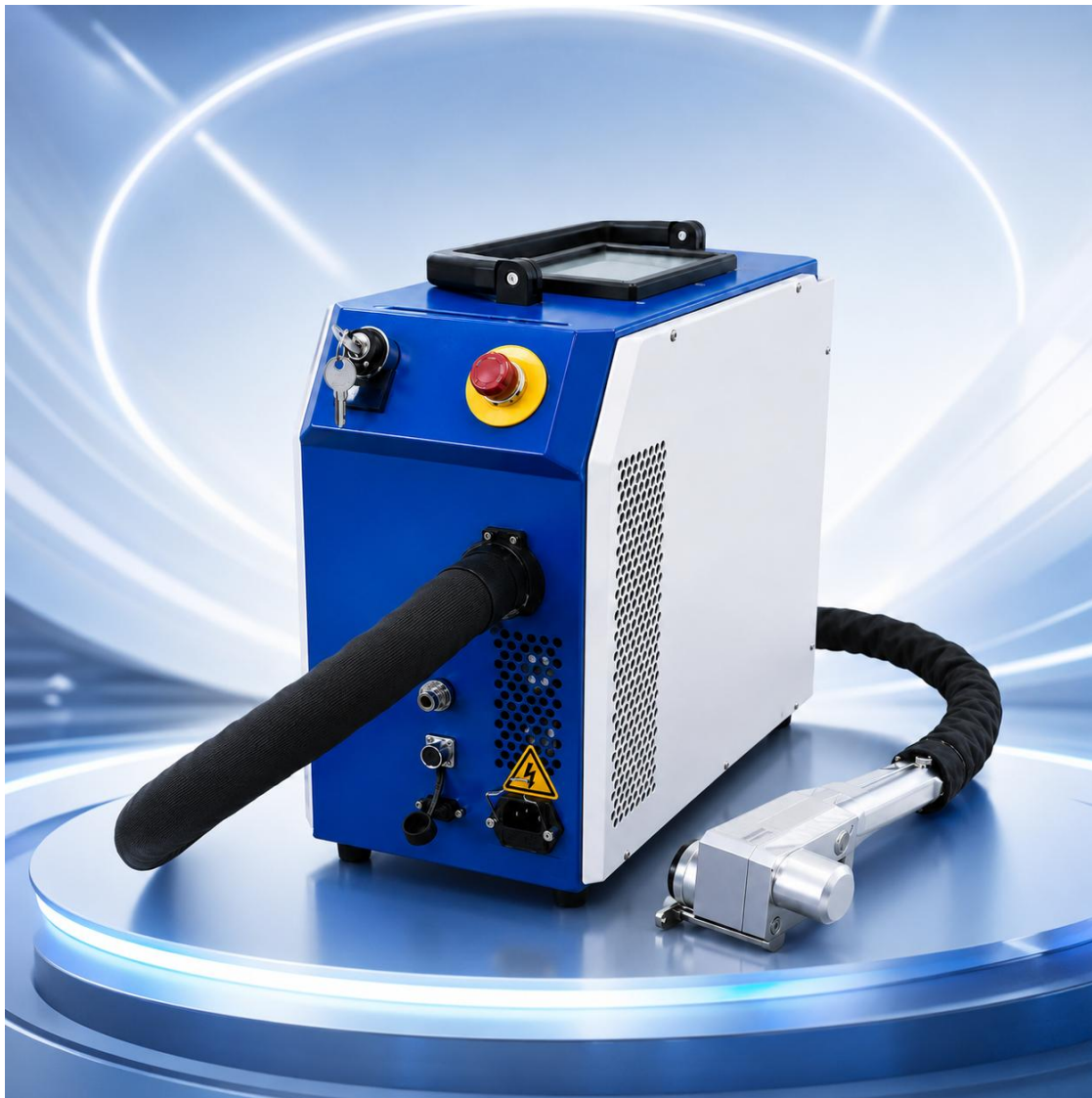
- ✓ Portable backpack design, only 22 kg
- ✓ 12 cleaning modes
- ✓ 2D integrated laser cleaning head
- ✓ Ultra-quiet air-cooling system
- ✓ 3 m fiber cable with double-color LED indicator

12 Cleaning Modes





3. Machine Highlights



MACHINE HIGHLIGHTS

1. Lightweight Backpack Design

Compact and portable design with a net weight of only 18 kg for easy carrying and outdoor operation.

2. 12 Cleaning Modes

Multiple scanning patterns for different cleaning applications and surface conditions.

3. Ultra-Quiet Air-Cooling System

Efficient air cooling with low-noise operation and no external water chiller required.

4. Double-Color Working Indicator Light

The built-in double-color LED indicator displays the machine's operating status in real time.

5. Safety Lock and 3 m Fiber Cable

The main unit features a safety lock, while the 3 m fiber cable provides a wider and more flexible working range.

CLEANING HEAD HIGHLIGHTS

Highly Integrated 2D Cleaning Head

Provides precise and efficient cleaning with multiple scanning patterns.

Lightweight Design – Only 0.8 kg

Reduces operator fatigue during extended cleaning work.

Built-in Safety Switch

Helps prevent accidental laser emission and improves operational safety.

Ergonomic Handheld Design

Comfortable to hold and easy to operate in different working positions.

Working Principle of the Laser Cleaner

Laser cleaning technology is based on an ablative process by which impurities are evaporated from the surface of an object without damaging the surface. Compared to many sandblasting, abrasive or chemical cleaning methods, laser blasting machines have the advantage of low operating costs and no additional waste. Cleaning is both environmentally friendly and economical. Laser sandblasters are ideally suited for removing rust, made or natural coatings, paint coatings, lacquers, dirt, grease and more. They are increasingly used for cleaning moulds, surface preparation, weld correction, monument refurbishment and facade cleaning.

Advantages of Laser Cleaning



Safety

the operation is
non-hazardous to employees



Environmentally friendly

no toxic waste is emitted or
residue.



Minimal interference

the operation is
non-hazardous to employees



Flexible

the operation is
non-hazardous to employees



Reduce time of operation

preparation is not intensive



Reduced the cost of operation

no waste disposal

Application Cases



Exhaust pipe rust & oil



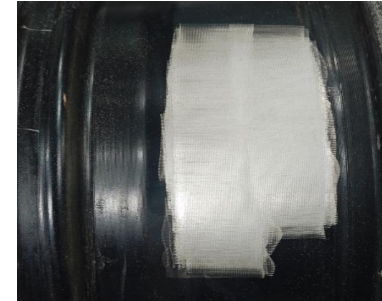
Wall graffiti



Wood stain & varnish



Shoe mold resin oxide



Aluminum wheel coating



White paint on wood



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