HeatSign

The Science of Marking

300W Laser Cleaning Machine

For Paint & Coating Removal

(HS-LC300)

300W Laser Cleaning Machine

A compact, high-performance solution for removing rust, paint, coatings, oil, and oxides — without damaging the base material. High cleaning speed and a non-contact process, it delivers fast, eco-friendly results for industrial surface prep and restoration.

Easy to operate, portable, and optionally automation-ready, this machine is built for manufacturers, maintenance teams, and workshops that demand precision and efficiency.

Net Weight: 63kg

Machine Features

High-Speed Performance – Cleans at speeds up to 3000 mm/s, quickly removing rust, paint, oil, and coatings.

Non-Contact & Damage-Free – Safely treats metal surfaces without scratching, warping, or removing base material.

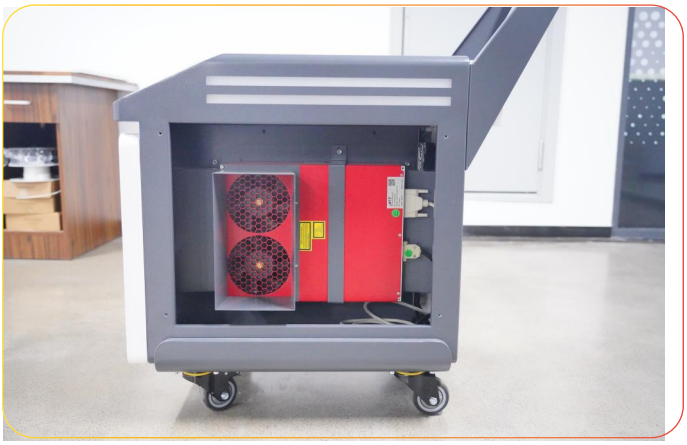
Adjustable Cleaning Width – Standard scan range of 10 – 110mm, customizable up to 175mm for various applications.

Compact & Portable Design – Lightweight build with quiet industrial wheels and a hidden handheld head for flexible use.

One-Button Startup – User-friendly interface with plug-and-play operation for fast setup and daily use.

Dust-Proof & Durable – Equipped with a sealed lens cover, Schneider-brand switches, and reinforced cable design for long-term reliability.

Automation-Ready (Optional) – Customizable for integration with robotic arms or conveyor systems to support automated workflows.



Technical Specification

Model	HS-LC300
Laser Type	JPT Fiber Laser
Laser Power	300W Multi-mode pulse
Cleaning Type	Pulse Laser
Repetition Rate	1-4000KHz
Pulse Width	2-500ns
Single Pulse Energy	5 mJ
Pulse Width	2-500ns
Wavelength	1064nm
Supply Voltage	48V
Scanning Area	110*110mm
Fiber Cable Length	5m
Cleaning Mode	7 types,Line Mode,Rectangle Mode,Sine Mode, Double ,Free Mode,etc
Cooling way	Air Cooling
Power Consumption	<700W
Anti-Reflection Protection	Yes
Output Beam Diameter	4.0±0.5,7.5±0.5(Customizable)mm
Output Power Tuning Range	0~100%
Ambient Temperature Range	0~40℃
Ambient Temperature Range	-10~60℃
Dimensions	660mm*470mm*770mm
Weight	65kg

Applications

The 300W Laser Cleaning Machine offers fast, damage-free removal of rust, paint, and coatings with a por table design, easy operation, and optional automation.

Rust Removal	Oxide Removal	Weld Pre-treatment
Molding Cleaning	Coatings Removal	Gluing Pre-treatment
Removal of Oil and Grease	Paint Removal	Surface Cleaning
Stain Removal	Surface Roughening	Tool Cleaning

Before Cleaning

After Cleaning

Before Cleaning

After Cleaning

Professional Packaging for Safe Global Delivery

Each 300W Laser Cleaning Machine is securely packaged in a custom-built, shockproof wooden crate to ensure it arrives in perfect condition—no matter where it ’ s going. Inside, foam-lined compartments keep all components stable during transit, including the handheld head, power cables, and accessories.
We follow strict international shipping standards, with moisture protection, reinforced edges, and clear labeling for safe handling. Every unit is pre-tested for 24+ hours before packing, with detailed inspection reports included in the box.

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