



Advanced Environmental Protection Handheld Laser Cleaning Machine

- ▶ The function of a laser cleaning machine to clean objects depends on the characteristics of the light by the laser, based on the photophysical reaction caused by the interaction between the high-intensity beam, the continuous laser, and the pollution layer.
- ▶ The light beam emitted by the laser transmitter is absorbed by the pollution layer on the surface to be treated, and a pollution-free cleaning concept can be achieved.
- ▶ The absorption of large energy forms a rapidly expanding plasma (highly ionized tiny gas), which generates a powerful shock wave to achieve a better cleaning effect.
- ▶ The shock wave generated in the beam of the laser transmitter can turn the size into debris and then be cleaned.
- ▶ Laser cleaning can clean organic matter, inorganic matter, rusty metal, metal particles, paint, dust, etc.

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Laser Cleaning Machine Features



Laser Cleaning

Non-contact processing, no damage to the part matrix.



Automation

Simple operation, handheld, and integrated automation.



Precise Positioning

Precise and controllable

Advantages of Laser Derusting Machine

Laser cleaning is a green cleaning method. It does not need to use any chemicals and cleaning fluids. The cleaned waste is basically solid powder, small in size, easy to store, recyclable, and can easily solve the problems caused by chemical cleaning. Environmental Pollution.

The laser can be transmitted through an optical fiber, coordinated with robots and robots, to easily realize remote operation, and can clean parts that are not easily reached by traditional methods. This can ensure the safety of personnel when used in some dangerous places.

Laser cleaning can remove various types of contaminants on the surface of various materials to achieve the cleanliness that cannot be achieved by conventional cleaning. And it can also selectively clean the contaminants on the surface of the material without damaging the surface of the material.

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Laser paint remover application

01

Weapon Cleaning

The laser cleaning system can efficiently and quickly remove rust and pollutants on weapons and equipment and can select the removal parts to achieve high cleanliness and no damage to the equipment.



02

Removal Of Old Aircraft Paint

The surface of the aircraft needs to be repainted after a period of time. The old paint needs to be completely removed before painting. Using multiple laser cleaning systems, the paint removal of an aircraft can be completed in a short time without harming the metal.

03

Cleaning In The Electronics Industry

The high-precision performance of the laser cleaning machine is particularly suitable for removing oxides in the electronics industry. It can remove the pin oxide efficiently without damaging the pins.

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Part Specifications

DF-Laser Cleaning Machine	
Laser Power	200W-2000W
Laser Type	Pulse/Continuous
Laser Wavelength	1064nm-1070um



Cooling Type	Air cooling/ water cooling(Water cooling above 500W)
Cooling Water Type	Purified water/laser special antifreeze/alcohol+water
Working Water Temperature	18-35°C (reference range)
Cleaning Head Weight	980g
Total Power	≤200-3000W
Scan Width	10-130mm
Operating Temperature	15°C-55°C
Weight	27KG-160KG
Alternative Plan	Handheld/Automated/Non-standard customization

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FAQ

What are the 4 ways of laser cleaning ?



How about the documents after shipment ?



The difference between laser cleaning and traditional cleaning ?



How the stone is cleaned by laser ?



How long is the delivery time ?



What should I do if some problems happen to this machine ?



Case





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About Us

Provider of Advanced Advertisement Equipment with a strict and effective quality management system, professional project management team, one-stop pre-sales, sales, and after-sales services.

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