



Handheld Laser Cleaning Machine

LM-2000

Fast, Precise Laser Surface Cleaning

OVERVIEW

The LM-2000 Handheld Laser Cleaner is a powerful and efficient solution for removing rust, paint, coatings, oil, and surface contaminants from metal components. Using advanced non-contact laser technology, it cleans surfaces with precision while preserving the integrity of the base material, making it ideal for maintenance, restoration, and industrial surface preparation.

Designed for reliability, portability, and ease of operation, the LM-2000 provides a fast and environmentally friendly alternative to traditional cleaning methods such as abrasive blasting or chemical treatments. With minimal consumables and low maintenance requirements, it helps manufacturers and maintenance teams improve productivity while achieving consistent, high-quality cleaning results.



APPLICATIONS

- **Restoration and Maintenance:** Suitable for refurbishing machinery, parts, and metal structures by removing corrosion and surface contamination.
- **Mould and Tool Cleaning:** Ideal for cleaning industrial moulds, tooling, and equipment without the need for disassembly or abrasive methods.
- **Surface Preparation:** Prepares metal surfaces for painting, coating, or welding by removing contaminants such as oil, dirt, and oxidation.
- **Weld Cleaning:** Removes oxidation, discoloration, and residue from welded areas, improving the appearance and quality of finished parts.
- **Paint and Coating Removal:** Quickly strips paint, powder coating, and protective layers from metal surfaces for rework, refinishing, or maintenance.
- **Rust Removal:** Efficiently removes rust and oxidation from metal surfaces, restoring parts and components without damaging the underlying material.

FEATURES



Versatile Applications

Suitable for rust removal, paint stripping, weld cleaning, surface preparation, mould cleaning, and restoration tasks.



Environmentally Friendly

Eliminates the need for chemical cleaners or abrasive blasting media, reducing waste and environmental impact.



Non-Contact Cleaning Process

Cleans surfaces without abrasion or chemicals, preserving the integrity of the base material and preventing surface damage.



Portable Handheld Design

Compact and easy to manoeuvre, making it ideal for maintenance work, workshop environments, and on-site cleaning applications.



Precision Control

Adjustable parameters allow fine-tuning of the cleaning process for different materials, coatings, and levels of contamination.

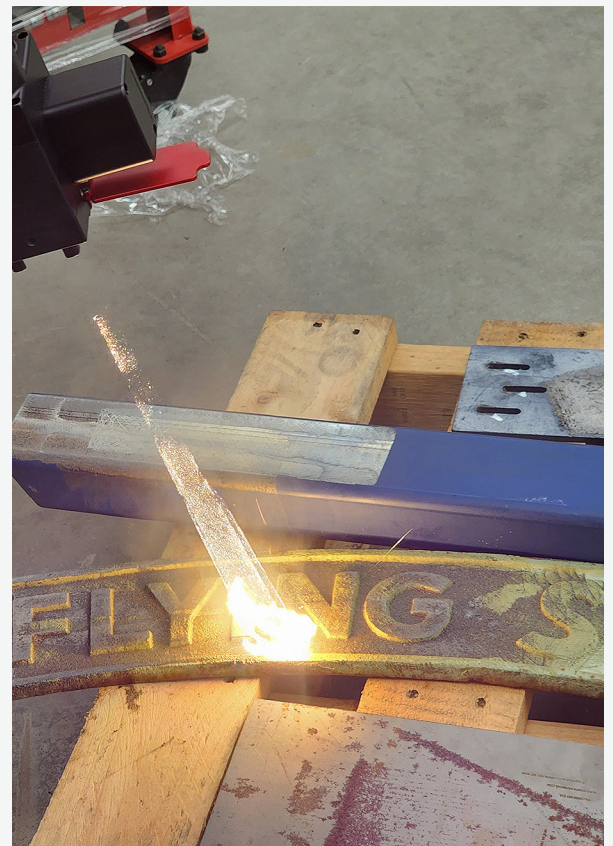


High-Power Laser Cleaning

Delivers efficient removal of rust, paint, coatings, oil, and other surface contaminants using advanced laser technology.

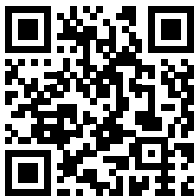
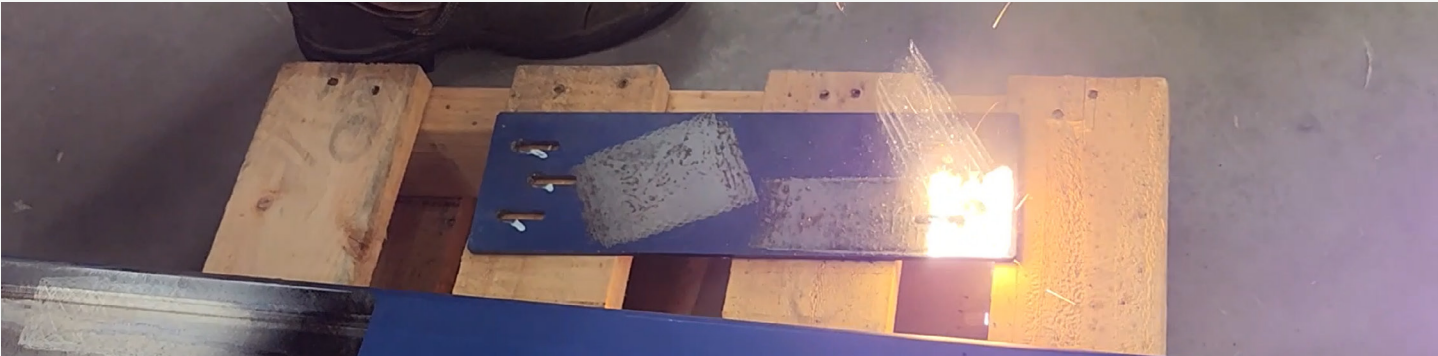
ADVANTAGES

- **Increased Efficiency:** Cleans surfaces quickly and consistently, helping to reduce downtime and improve productivity.
- **Minimal Consumables:** Eliminates the need for abrasive media and chemical cleaning agents, lowering ongoing operating costs.
- **Precision Cleaning:** Targets specific areas with accuracy, making it suitable for intricate components and detailed applications.
- **Low Maintenance:** Designed for reliable operation with minimal servicing requirements, reducing maintenance time and costs.
- **Safer Operation:** Minimises operator exposure to dust, chemicals, and abrasive materials associated with traditional cleaning methods.



SPECIFICATIONS

Parameters	LM-2000
Laser Source	CW Fiber
Power (W)	2000
Fiber Cable Length (m)	10
Wavelength (nm)	1070
Cleaning Speed	≤50M ² /Hour
Beam Width (mm)	10 - 200
Scan Speed (mm/s)	0 - 7000
Cooling	Water Cooling
Voltage	380/220V, 50/60Hz, 3 phase



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