

G700 *Continuous Laser Cleaner*

CrystalClear Series



INTELLIGENT INTEGRATED PRECISE EFFICIENT



Website

Key Advantages



Substrate Protection

Pure non-contact laser ablation ensures zero mechanical abrasion. With precision-adjustable energy, it removes rust, paint, and oxides without damaging the base material. Thin-walled and precision parts remain deformation-free and burn-free, retaining full mechanical integrity.



Personnel Safety

Dry cleaning generates no wastewater, chemicals, or VOC emissions. Integrated dust extraction eliminates risks of abrasive debris, excessive vibration, and noise. Ensures a low-dust environment and mitigates occupational hazards such as chemical exposure and silicosis.



Operational Cost

Electricity-only operation eliminates recurring costs for abrasives, consumables, and chemicals. It extends service life of core components and simplifies maintenance, eliminates hazardous waste disposal fees, and delivers ultra-low cost per cleaning cycle for high-volume operations.



Process Quality

Zero substrate loss and minimal rework rates. Creates a nano-activated surface layer that significantly enhances coating adhesion and weld strength. Meets stringent environmental and precision manufacturing standards with consistent yield rates.



Application Versatility

Handles steel, aluminum, titanium, composites, and even delicate artifacts. Cleans complex geometries, internal cavities, deep holes, and narrow gaps. The handheld unit enables remote high-altitude operation, while automated integration supports high-volume, uniform cleaning.



Operational Flexibility

Long-distance, non-contact cleaning with excellent contour-following on curved surfaces. One-touch adjustment of spot size and power balances fine-detail and high-speed cleaning. Lightweight handheld head reduces operator fatigue during extended use, allowing precise avoidance of clean zones.

The laser cleaning machine utilizes a CW fiber laser source, and delivers a stable, uninterrupted beam to rapidly vaporize and strip contaminants—including rust, paint, oil, oxides, coatings, and resins—via photo-thermal effects. Its non-contact process ensures zero mechanical abrasion to substrates and supports continuous-duty operation. Compatible with handheld use or robotic automation, it excels in cleaning large-scale workpieces and high-volume surface areas. An eco-friendly, high-efficiency alternative to sandblasting, grinding, and chemical cleaning, it represents the new benchmark for industrial surface preparation.

Applications



Ship Hull Cleaning



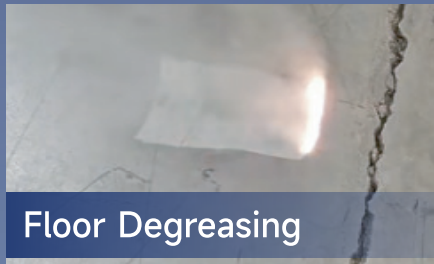
Irregular Part Derusting



Mold Surface Cleaning



Large-Area Descaling



Floor Degreasing



Paint Stripping

Sales Hotline:

400-666-4000



Han's Handheld Welding Institute