



You are here: [Home](#) » [Products](#) » [Laser Machine](#) » [Laser Cleaning Machine](#) » [Handheld Fiber Laser Cleaning Machine](#)

Handheld Fiber Laser Cleaning Machine

iGCL series laser cleaning machine is the new generation of safe, high efficiency, energy saving, environment-friendly metal laser cleaning equipment, using handheld swing cleaning head, touch screen and button control, combined with the advanced integrated control system,

[✎ Inquire](#)

Machine Introduction

Handheld Fiber Laser Cleaning Machine - IGOL...



Laser Rust Removal Cleaning Machine Description:

The laser rust removal cleaning machine is assembled. It meets the cleaning requirements of complex shapes and fine positioning in the industrial processing field, and achieves higher cleanliness cleaning effects and lower overall cost production benefits.



Handheld Fiber Laser Cleaning Machine Advantages:

- Support process library storage;
- Light spot adjustable (0.5-5) mm;
- Invite professional international laser friends to translate, and at the same time have received nine translations from Chinese, English, Korean, Japanese, Russian, Traditional, French, Spanish, and Israeli languages;
- The system monitors the running status from time to time, monitors and collects the running status of lasers, chillers, and control panels;
- With temperature monitoring;
- Light weight, small size, ergonomic design and comfortable grip;
- Safety lock touches out light;
- Easy to operate, very low requirements for operators;
- Strong anti-interference;
- Fully sealed structure with built-in water and air paths;
- Configured with independent research and development control system;
- 10m cable length, can be customized up to 1km

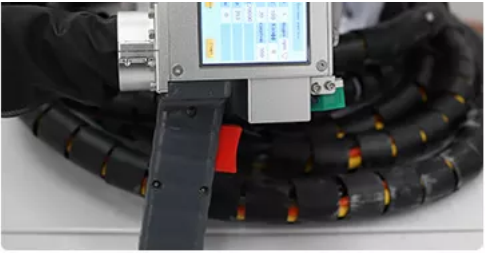
Rust Removal Laser Cleaning Machine Features :

- ★ Non-contact is cleaning, does not damage the parts substrate ;
- ★ Precise cleaning, can achieve selective cleaning of precise position and precise size ;
- ★ No need for any chemical cleaning fluid, no consumables, safe and environmentally friendly ;
- ★ Simple operation, just power on, can be hand-held with the robot to achieve automatic cleaning ;
- ★ High cleaning efficiency, save time ;
- ★ The laser cleaning system is stable and requires almost no maintenance.

Laser Rust Removal Machine Parameters:

Laser Wavelength	1064nm
Laser Power	1000W/1500W/2000W
Fiber Length	8-10m(15m Optioned)
Scanning Width	10-80mm
Voltage	220V,50/60HZ
Cooling Method	Water-cooling
Working Temperature	5-45℃

Portable Handheld Fiber Laser Cleaner Configuration:



A: Dual axis cleaning head



B: Single shaft cleaning head

Cleaning machine laser head:

High cleaning cleanliness It can accurately locate and clean contact cleaning, protect the surface of brittle materials, and effectively remove micron-level pollution particles; green and environmentally friendly, no consumables are required.
This not only means that laser cleaning is effective, but the cleaning process is environmentally friendly.
In addition, it does not use chemical cleaning agents, thus avoiding the damage caused by chemical corrosion to the material.



The high-intensity light pulse generated by the laser that calculates and sets the threshold value forms an interaction between the short-pulse laser and the contaminated layer, resulting in a photophysical reaction.
The beam is absorbed by the contaminated layer on the surface to be treated. The absorption of large energy forms a rapidly expanding plasma (highly ionized unstable gas), which generates shock waves.
The shock waves turn pollutants, oxides, etc. into fragments and gases and are removed to complete the cleaning.



Laser Source

The laser adopts water-cooled heat dissipation and rack-mounted chassis design.
It has many advantages such as high electro-optical conversion efficiency, low energy consumption, compact structure, adjustment-free maintenance, and easy integration for customers.
It is industrial laser welding and other Ideal light source for application.

The temperature control accuracy can reach $\pm 0.3^{\circ}\text{C}$;
The intelligent thermostat has two temperature control modes, which are suitable for different use occasions; it has a variety of settings and fault display functions;
With multiple alarm protection functions.



Touch screen settings panel
and Operation button

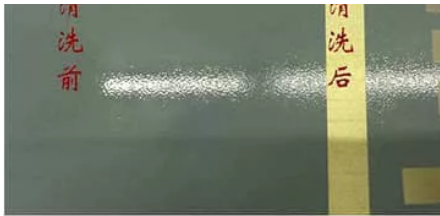
Touch screen settings panel

Winding area , More tidy



Winding area , More tidy

Fiber Laser Cleaning Machine Applications



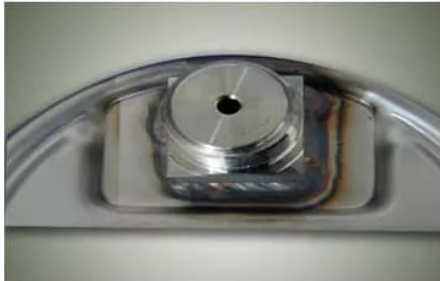
Panel paint removal



Gear decontamination



High-speed rail derusting



Weld cleaning



Derusting parts



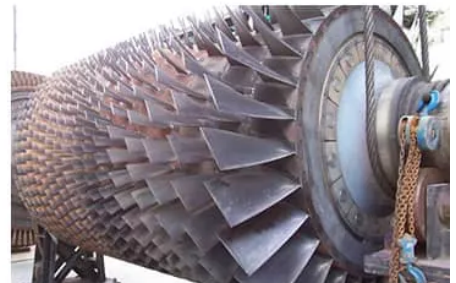
Parts in addition to oxide film



Mold degreasing



Casting paint removal



Rotor blade rust removal

Application Field

1. Rust removal from metal surface.
2. Paint removal from metal surface.
3. Clad layer and coating removal.
4. Oil fouling, blot, and dirt cleaning.
5. Metal weld discoloration removal.
6. Stone surface cleaning.
7. Rubber mold damage-free cleaning.

Application Industry

Manufacturing plant, construction works, machinery repair shops, advertisement, energy & mining, building material shops, ship industry, auto parts, rubber mold, high-end machine manufacturing, tire molde track, environmental protection industry.

iGOLDENCNC Factory View



WhatsApp



Mail



Get Price



Customer Visiting





iGOLDENCNC Service

Pre-sales
> Free pre-sale consultation
> Free sample testing
> Professional CNC solutions
> Customer reception
> Fast delivery within 7 days(Available in stock)
> Customized machines delivered within 30 days
After-sales
> 2-year warranty
> Fast feedback and after-sales service in 12 hours
> Fast spare parts and technical assistance
> Free training services
> Special design, customized, OEM order

Previous: 100W Portable Handheld Laser Cleaning Machine

Next: Laser Rust Removal Machine 2000W

Laser Cleaning Machine

Fiber Laser Cleaning Machine

Handheld Laser Cleaning Machine


Get a quick free quote


WhatsApp


Mail


Get Price

IGOLDENCNC




*Message


*Verify Code

Submit


Related Products



100W Portable Handheld Las...
content is empty!



Laser Rust Removal Machine...



Three-in-one Handheld Porta...

All Products



Shandong iGolden CNC is a solution supplier of CNC application with key technology and independent intellectual property rights.

PRODUCT LINK

PRODUCTS CATEGORY

CONTACT US

- Add : Private Industrial Park, Yu Huang Miao Town, Shanghe, Ji'nan, Shandong
- Email : sale005@igoldencnc.com
- WhatsApp : +8617686618301

Copyright © 2021 Shandong iGolden CNC Technology Co., Ltd.

Support By sdzhidian