

# ***FLK LASER***

CUTTING | BENDING | WELDING | **CLEANING** | CLADDING | MACHINING | AUTOMATION

A GLOBAL PROVIDER OF  
ONE-STOP METAL FABRICATION SOLUTIONS



***FEILKE*** is an international metal forming automation company. As a subsidiary of the HEMSA Group, Feilike (FLK Laser) is designed to provide customers with high-quality, fully automatic solutions globally. It has become a technology-driven innovation enterprise by independently developing many core technologies in the laser industry and combining laser cutting, bending, welding, cladding and automation into one product to greatly improve production efficiency for customers with multiple automatic equipment requirements.







+570 PATENT CERTIFICATIONS

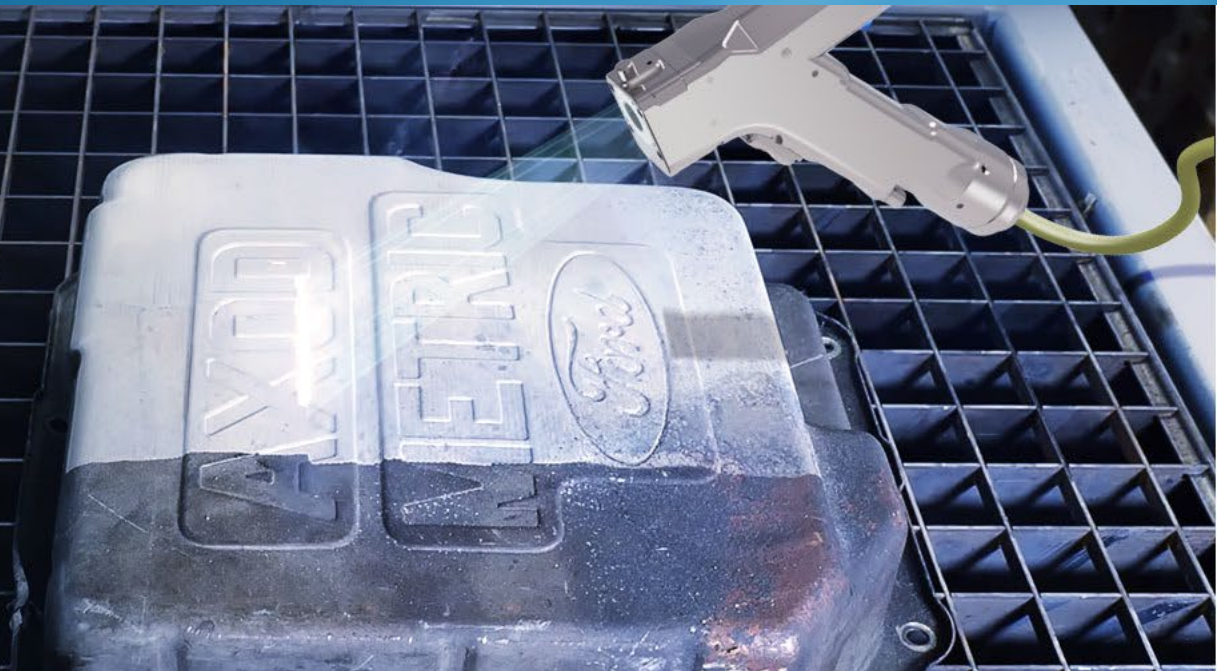


We have obtained CE, ROHS, FDA, ETL, CSA certificates from TÜV, and our quality and safety standards have reached international certifications

## **Fiber Laser Cleaning Machine**

Green way to remove rust, paint and dirt

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## Applications

Fiber laser cleaning machines are used for laser paint removal, laser degreasing, laser oxide layer removal, laser cleaning screw, laser dust removal, laser welding cleaning, among others.

It can be applied in the shipbuilding industry, for auto parts, rubber molds, high-end machine tools, tire molds, tracks, the environmental protection industry and others.



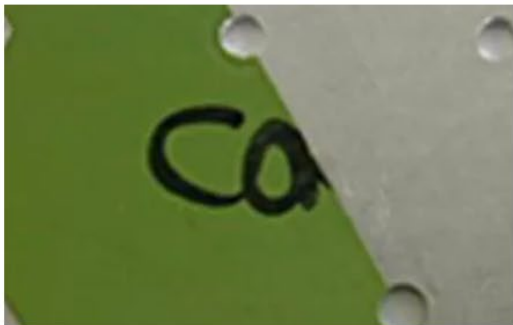
Rust removal



Clean metal parts



Rust removal



Laser paint removal



Clean car parts



Clean rubber mold

Fiber laser cleaning machine is a new high-tech machine for surface cleaning. It is easy to install and operate. It can work without chemical reagent, media dust and water.

## Advantages

- Portable
- Easy to place anywhere.
- Safe and environmentally friendly.
- Low operating cost and requires little maintenance.
- Non-contact cleaning
- Does not damage the base of the piece.

## HC Series Portable Pulsed Laser Cleaning Machine



Water cooling method

Model:	SF200HC/SF300HC/SF500HC
Maximum pulse energy:	10mj/12.5mj/25mj
Fiber length:	10/15m
Cleaning width:	80 mm



- Equipped with manual cleaning head.
- The portable structure is light and ergonomic.
- The computer control system is easy to use, concise, and a variety of parameters can be set by yourself.

Laser cleaning offers multiple advantages over traditional approaches. It **involves no solvents and there is no abrasive material to be handled** and removed.

Compared to other processes, **laser cleaning is controllable and can be applied only to specific areas of a part**, it can be **easily automated** to maximize productivity, and provides the **guaranteed repeatability** demanded by a growing number of quality standards.

## Advantages

### High cleaning efficiency and good effect:

- Automatic operation, stable cleaning and high process efficiency which does not need chemical cleaning liquid, no consumables

### Maintenance free:

- Stable laser cleaning system with low operating costs and almost no maintenance required

### Friendly machine control system:

- Clear and simple interface page
- Easily configurable by the client

## FLK1500 HC portable laser cleaning machine



- High precision
- No pollution
- Easy to operate

Model:

SF1500HC/SF2000HC | SF3000HC

Maximum pulse energy:

1500w/2000w | 3000w

Fiber length:

1080X870X1265mm | 1336X870X1265mm

Cleaning width:

80 mm

### Cleaning materials:

Oil removal, rust removal, paint removal, etc.

Robot laser cleaning machine is a new **high-tech product for surface cleaning. Less waste, easy operation and maintenance**, requiring only to turn on and open the equipment.

The 6-axis multifunctional robot features a high-strength arm and top-level servo technology can effectively improve the speed and acceleration performance. It will **reduce more than 15% of the operation time, achieving the highest production capacity in the industry.**

The 3D robotic welding machine is used in manufacturing, metallurgy, automotive, electronics, biomedicine, home appliance manufacturing, processing tools, IT manufacturing, food machinery, diamond tools, welding, soldering equipment, metal material surface treatment, etc.

## FLK1500 HCR portable laser cleaning machine



Model:	SF1500HCR/SF2000HCR/SF3000HCR	<b>Benefits:</b> 1) High welding precision and quality; 2) The production efficiency is high, the working environment is improved, and the product cycle is controllable; 3) The utility model has the advantages of low energy consumption, low cost, and simple and convenient maintenance.
Energy:	1.5KW-3KW	
Cleaning efficiency:	5m <sup>3</sup> / h	
Scan width:	10-80mm	





## 5 STAR FAST SERVICE



Efficient

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Responder llamadas de reparación  
en cualquier momento

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Soluciones  
personalizadas  
Servicio uno a uno

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Formación teórica y práctica detallada  
Recordatorio de mantenimiento  
periódico Garantía ampliada

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**HEMSA**  
GROUP

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