

SENFENG

Green way to remove rust, paint and dirt

Fiber Laser Cleaning Machine





About us

Since the establishment of SENFENG, we have been committed to the R&D and innovation of laser technology. We're a leading manufacturer specializing in the field of laser cutting, laser welding, laser cleaning, laser cladding, industrial 3D robot, bending, milling, etc.

In order to achieve global local services more efficiently, we have established 2 subsidiaries in the United States and Germany, and 5 service centers in India, Pakistan, Vietnam, Serbia, and Jordan.

After years of persistent probe in the field of laser technology, we are equipped with a great pool of core tech to drive automation process of modern machinery industry.



A Global Provider of One-stop Metal Fabrication Solutions



Advantages

■ SENFENG Laser Source

The laser source developed by SENFENG ranges from 1.5kW to 50kW, with higher electro-optical conversion efficiency and stable output power.

■ SENFENG Laser Head

The laser head independently developed by SENFENG has been widely used in laser cutting, welding, cleaning, cladding and other fields.





Pulse Laser Cleaning Machine

SF500HC



Model	SF200HC/SF300HC/SF500HC
Laser Power	100/200/300/500W
Wavelength Range of Laser	10-80nm
Power Adjustable Range	10-100%
Output Cable Length	3/10/10/15m
Max Single Pulse	1/10/12.5/25mj
Max Bear Power	1.0/2.9/3.7/4.4kW
Voltage Supply	Uniphase 220V±10% 50/60Hz
Temperature	0°C~40°C
Operating Ambient Humidity	≤80%RH
Dimensions (L×W×H)	1136mm×907mm×1443mm

For more details about SENFENG, feel free to visit: www.sfcnclaser.com



Continuous Laser Cleaning Machine

SF2000HC



Model	SF1000HC / SF1500HC / 2000HC
Laser Wavelength	1080±5
Fiber Length	10 meters
Fiber Core Diameter	50µm
Swing Frequency	1-110HZ 50HZ is recommended
Weight of the Cleaning Head	0.7KG
Gas	Compressed air
Temperature Range of the Working Environment	-10—40°C
Cooling Method	Water cooling
Overall Dimensions	954X715X1080mm
Total Weight	220KG
Total Power	7/9/12kW

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3D Robot Laser Cleaning Machine

SF1000HCR



Model	SF200HCR/SF300HCR/SF500HCR/SF1000HCR
Laser Power	200/300/500/1000W
Cleaning Efficiency	5m ³ /h
Scanning Width	10-80mm
Robot Ontology & Control Cabinet	mj25-1700
Standard Attachments and Documents	Instructions

Laser Cleaning Traditional Cleaning

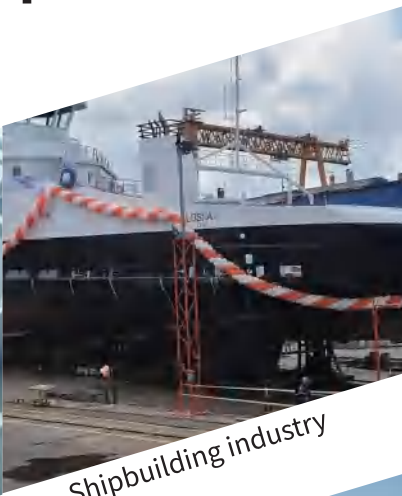
Items	Fiber laser cleaning	Chemical cleaning	Mechanical grinding
Cleaning method	Laser	Chemical detergent; Touchable	Sand paper; Touchable
Damage to workpiece	No	Yes	Yes
Cleaning efficiency	High	Low	Low
Consumption	Electricity only	Chemical detergent	Sand paper; Grinding wheel, Etc
Precise cleaning	High precision	Low precision	Low precision
Safety/ environment friendly	No pollution	Chemical pollution	Environmental pollution
Manual operation	Easy to operate	Complex cleaning procedures	Consumes labor cost, work hard
Cost	No consumables	Initial investment is low, Consumables cost is extra high	Initial investment is high, consumables cost is low

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Industry Applications



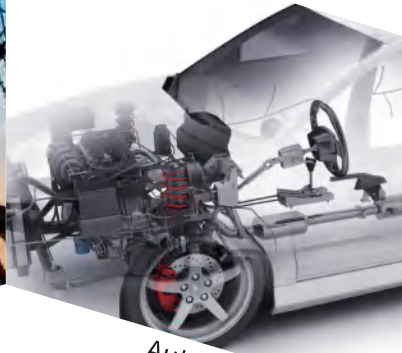
Rubber mold/tire mold



Shipbuilding industry



Power Generation



Auto parts



Agriculture



Transport



High-end machine tools

Samples



