

Rust Removal Fiber Laser Cleaner Portable



Weight:17kg; Scanning width:0-200mm; Power:50W 75W 100W; Category: Laser cleaning machine



Tolerance can be up to 20mm; Non contact, step coverage;

Can be hand-held, easy operation; Precise size cleaning;

5. Low base metal damage; Zero consumables, low input, no chemical residue pollution.

7. 100,000 hours life time.

Base metal	surface	(with m effect m coke) deep	Clearing standard	Clear washing speed	effect
cast iron	(0 weight. 08 degrees m rust m thick thickness)	8	(mm ² /s)	(mm ² /s)	Clean surface, no damage to the base metal
Carbon steel plate	(0.05 degrees m rust m thick)	8	2000	3000	Clean surface, no damage to the base metal
Stainless steel plate	Surface oil, slightly rust	8	1800	2400	Smooth surface, no damage to the base metal
Mold steel gear	Moderate oil stain, attached iron filings	8	2000	3000	Smooth surface, no damage to the base metal
Aluminum plate	Oxide / surface fouling	8	1500	2300	Clean surface, no damage to the base metal

General characteristics	Test Conditions	210	220	Maximum	Resignation
Supply voltage	220	4	5	230	AC
Maximum current loss	$P_{out} = P_{nom}$		220	6	A
Power consumption	P	0			W
range of working temperature		-10		+40	° C
Storage temperature				+60	° C
cooling method	Air cooling				
Preheat time	Start operation	10			s
	achieve complete stability	3			min
humidity		10		96	%
Overall size	390*150*485 (length * width * height)				mm
Total Weight	17				kg
Hand gun body	2.5				kg

The beam emitted by the laser is absorbed by the contaminated layer on the surface to be treated.

2. Absorption of large energy forms a rapidly expanding plasma (a highly ionized unstable gas) that produces a shock wave.

Shock waves cause the contaminants to become fragments and are rejected.

The light pulse width must be short enough to avoid heat build-up that would damage the surface being treated.

5. Experiments have shown that when there is an oxide on the surface of the metal, the plasma is generated on the metal surface.

Core technology. When we were a small factory, we have focused on the development of core components such as laser power supplies and optical path. Unlike other suppliers, they only sell through assembly equipment.

Independent research and development department. This means we can offer our customers customized machines and improve the equipment according to market changes

Dealer support plan. In the early stage of customers' market development, we provide technical parameters for the installation and use of equipment free of charge, share good marketing methods, help customers win the market and achieve success.

Strict testing. All of the suppliers we work with come from world-class manufacturers. Before the delivery, each machine needs to be tested and inspected for 48 hours (marking machine, welding machine) and 4-7 days (cutting machine) to ensure quality and safety.

Timely delivery. Each machine has an accurate assembly process and strict time control to ensure that customers receive goods in a timely manner.

After-sales service and guarantee. We offer a 2-year warranty and any problems occur during the period and we have a responsibility to resolve them. If any part of the machine is broken, we will repair it for free and send free accessories.