

## ➤ 50W Portable Laser Cleaning Machine

- The new generation portable laser cleaning machine of Horizon Laser combines light weight, easy operation, high-efficiency, non-contact and non-pollution. Used for cleaning the rust of cast iron and carbon steel plates, cleaning the oil pollution of stainless steel and mold gears, aluminum plate, cleaning the oxide of stainless steel, has a clean surface and does not damage the base metal.

- Product advantages:

Portable design: compact, wearable, ergonomic, single-handed;

Efficient cleaning: high laser cleaning efficiency, saving time;

Non-contact type: laser cleaning without grinding and non-contact;

Non-pollution: easy to solve the environmental pollution caused by chemical cleaning without using any chemicals and cleaning liquids;

Strong scalability: interchangeable lens, changeable focus distance, wide cleaning format.



## ➤ Parameters

Base Material	Surface	Effective DOF (mm)	Normal Speed (mm <sup>2</sup> /s)	High Speed (mm <sup>2</sup> /s)	Effect	General Characteristic	Test Conditions	Min.	Typical	Max.	Unit
Cast iron	Severe rust(0.08mm thick)	8	2000	3000	Clean surface and no harm to base material	Operating Voltage	220	210	220	230	AC
						Maximum Current Consumption	Pout=Pnom		4	5	6
Carbon steel	Moderate rust (0.05mm thick)	8	1800	2400	Clean surface and no harm to base material	Operating Ambient Temperature		0		+40	°C
						Storage Temperature		-10		+60	°C
Stainless steel	Greasy dirt, slight rust	8	2000	3000	Clean surface and no harm to base material	Cooling Method	Air Cooling				
						Warm up Time	-can be operated	0			min
Mould-steel gear	Moderate greasy, iron residue	8	1500	2300	Clean surface and no harm to base material		-work steady	10			min
						Relative Humidity		10		96	%
Aluminum	Oxide, Dirty surface	8	1500	2000	Clean surface and no harm to base material	Dimensions	390*150*485 (W*D*H)			mm	
						Weight	17			kg	
						Laser cleaning head	2.5			kg	

## Applications Rust Erasing、Pre and Post Treatment of Welding、Oxide Erasing



Welded Seam



Water Pipe Joint



Propeller Gear Shaft Base



vane of air blower



chuck

