

Parameter of air-cooled cleaning machine



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Packing List



Laser Cleaning Head



Protective Glasses



5x Protective Lens



1x Collimating lens
1x Focusing lens



Keys



Air Inlet Tube



Power Cord

Parameters

Machine parameter details

Laser cleaning machine		
laser power (W)	1500	2000
scanning speed (mm/s)	20000	20000
Laser Frequency (Hz)	5000	5000
Duty cycle%	100	100
scan length (MM)	150	150
scan width (MM)	150	150
Focal length between handheld gun and material (MM)	800	800
Fiber Length	10M	10M
way of working	Continuous	Continuous
Wavelength	1080nm	1080nm
Cooling method	Air Cooling	Air Cooling
Working Environment temperature(°C)	-20°C - 45°C	-20°C - 45°C
Working environment humidity	10%-70% without frost	10%-70% without frost
working voltage	220V 50/60Hz	220V 50/60Hz
Maximum current	15A	15A
Total Power	3500W	5000W

Laser source parameter details

Power	1500W	2000W
Wavelength	1080±10 nm	1080±10 nm
Output Fiber Core Diameter	20-25µm	20-25µm
Output Cable Length	10m	10m
Output Cable Connector	QBH	QBH
Aiming Beam	Red	Red
Beam Quality	1.2	1.2
Operation Mode	CW or modulation	CW or modulation
Polarization	Random	Random
Power Stability (25°C)	< ±1.5% (2h)	< ±1.5% (2h)
Power Adjustment Scope	10%-100%	10%-100%
Max Modulation Frequency	5kHz	5kHz

Cleaning efficiency

The following is laboratory data on rust removal and cleaning efficiency, for reference only. Please refer to the actual situation for details.		
Continuous Laser	Single Time Cleaning Thickness	Cleaning Efficiency
1500W	1-2MM	15-20 m ² /hour
2000W	2-3MM	20-25 m ² /hour