

LeMans



KAMITEKA

FRESH IDEA FOR IMPROVEMENT

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LeMans TECHNOLOGY CO.,Ltd.



SMART HC Series

Handheld Laser Cleaning Machine

LeMans

Laser Cleaning Solutions



Fast set-up



Easy to operate



No clean-up



Highly reliable



Easy to automate



Limited PPE



Low operating costs



Virtually maintenance-free



No consumable media



Green process



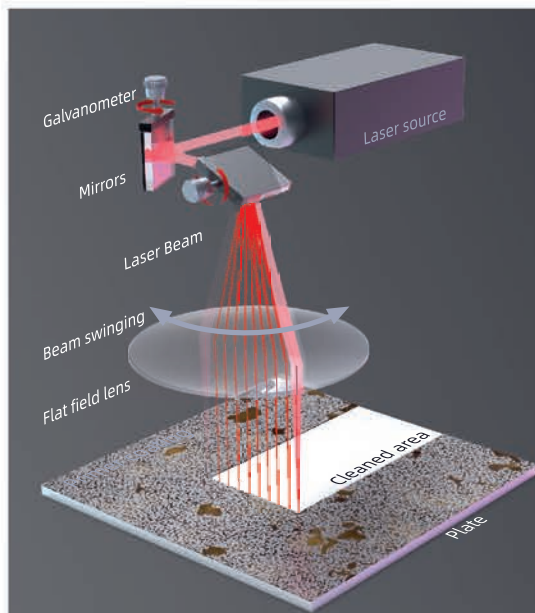
Possibility to clean in motion



Low noise operation

Wobble cleaning heads

The newly designed cleaning head is comfortable to hold and equipped with touch display, which is convenient to adjust various parameters at any time



Multiple Scanning Modes



Six cleaning modes can be provided (only one linear mode for single axis), which can be switched freely according to the actual scene requirements

Fine design to solve all kinds of pain points

Cleaning Method	Chemical Clean	Mechanical Clean	Dry Ice Clean	Ultrasonic Clean	Sand-blasting	Laser Clean
Cleaning Interaction	Contact material	Mechanical	Non-contact	Cleaning agent	Abbrasive contact	Non-contact
Damage	Yes	Yes	No	No	Yes	No
Cleaning Efficiency	Low	Low	Medium	Medium	Medium	High
Cleaning Effect	Ordinary, uneven	Ordinary, uneven	Good, but uneven	Good, but less cleanliness	Ordinary, uneven	Excellent, high cleanliness
Environmental Protection	Seriously polluting environment	Polluting environment	No pollution	No pollution	Polluting environment	No any pollution
Initial Cost	Low initial cost	High initial cost	Medium initial cost	Low initial cost	High initial cost	Higher initial cost
Working Cost	Very high consumable cost	High consumable and labor costs	High consumable cost	Medium consumable cost	High consumable and labor costs	No consumables, very low maintenance cost

Parameter

MODEL	SMART HC			
Operating environment		Cleaning head parameters		
Voltage	220V/380V, 50/60Hz	Scanning range	5mm~120mm, Continuously adjustable	
Power consumption	< 8000W (including water cooler)	Focal length of field lens (mm)	160mm (Optional 160mm~500mm)	
Working temperature	5°C ~ 40°C	Depth of focus	max. 10mm	
Optical parameters		Mechanical parameter		
Laser Power	CW	1000W / 1500W / 2000W	Overall size	about 1055mm×620mm×1090mm
	PLUSE	100W / 200W / 300W / 500W	Total Weight	about 190Kg
Wavelength type	Continuous / Pluse		cleaning head weight	about 1.9Kg (including isolator)
Fiber length	5-10m		Operation method	hand-held/automated
Cooling method	water-cooled			

Cleaning Samples

