



SLD Diode Laser Hair Removal System

Model: Milestone-Smart-M

Stable . Reliable . Innovation

MDD CE

FDA

ISO13485



Technical Parameter

Item	Wavelength
Wavelength	810nm
Laser Power	800W or 1200W
Pulse Width	6~240ms
Frequency	1~10Hz
Energy Fluence	0~100J/cm ²
Skin Cooling	2TEC+Sapphire, -10 to 5°C
Laser Window	14x14mm
LCD Screen	8 inch Touch LCD
Input VAC	110/220VAC / 50-60Hz
Dimension	50×35×20cm
Weight	15KG





Handpiece

1

Long lifetime

> 87 million shots

2

Super cooling to -10°C

Double thicker TEC

3

Golden wavelength

810nm

4

Big spot size

14*14mm

5

High laser power

800W / 1200W optional



6

Super lightweight handle

Only 450g, easy operation no tired.

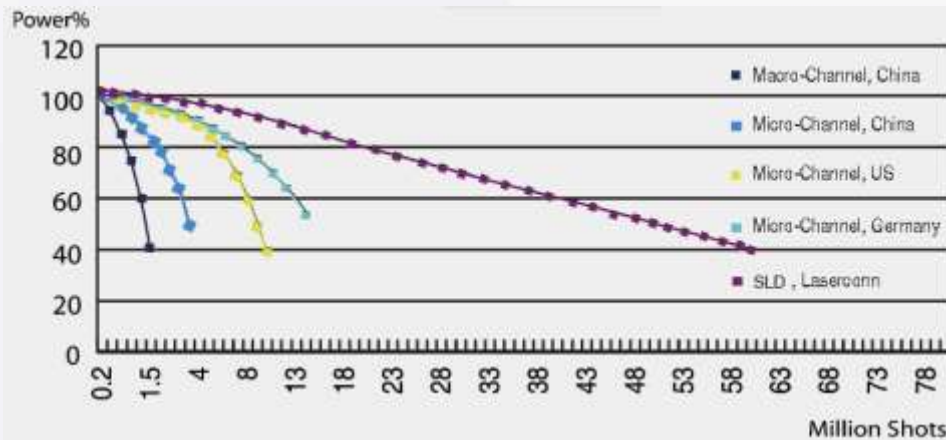
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Quality Connector

Inside same structure with Alma, no loose.



Lifetime Data



1. Long lifetime up to **87** million shots.

2. Much slow, less energy degradation, **80%** energy left after **50** million shots.

High Configuration



Europe & U.S.A. Patented Laser Stack, supreme performance, stability & life time span.





aquatec Water pump & handpiece tube from Japan (same components as Alma laser's).



Super cooling, 24 Hours round the clock continuously working, skin contact cooling steady at 0°C.

Technology Comparison

Tech	Laser bar Macro/Micro channel	VCSEL Laser
Photo		
Lifetime	5-15 million shots	Up to 87 million shots
Max Work Temp	40-45°C	80-85°C
Deionized Water	Necessary	Not necessary
Heat Stree	High heat stress. Heat very concentrated in Emitters (6sqmm)	Very low heat stress. Heat dispatched at whole chip surface (20-25sqmm)
Output Facet Design	Coating, has optical damage threshold	Gratings, no optical damage threshold
Current Inrush	Strictly Forbidden, can cause defect	No defect in short time
Power Degradation	Unpredictable and clinical unsafe	Linear and predictable, clinical safe