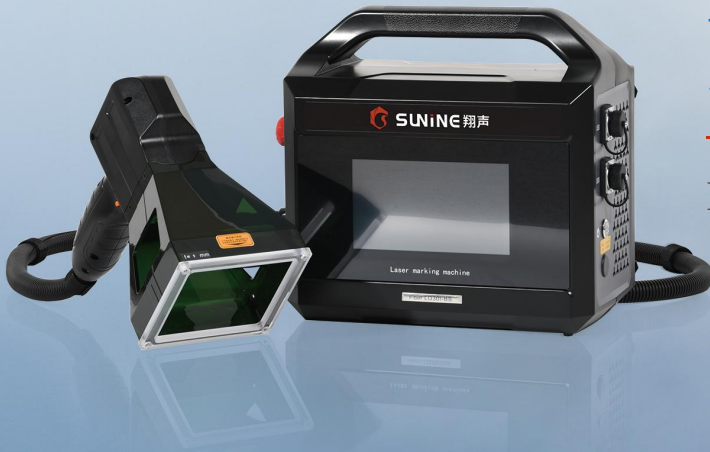


LD Series 50W

2nd Generation Handheld

LD Series handheld laser marking



Introduction

SUNiNE LD Series handheld laser marking machines feature a compact and portable design, providing flexible marking solutions for both indoor and outdoor applications. With plug-in and battery-powered options, they offer easy operation, high mobility, and maintenance-free performance without consumables. Equipped with fixed-focus technology, users can achieve fast and precise marking by simply placing the marking head on the product surface, improving efficiency and reducing setup time.



Intelligent & Easy Operation

Self-developed operating system with touchscreen control, emergency stop function, and wireless/network data transmission support.



Compact & Portable Design

Lightweight structure with plug-in and battery versions, suitable for flexible marking anytime and anywhere.



One-Click Fixed Focus Marking

Innovative fixed-focus hood design eliminates manual focus adjustment, enabling quick and accurate marking.



Versatile Marking Applications

Supports text, barcode, QR code, DM code, graphics, and various marking contents for different industries.



User-Friendly Ergonomic Design

Side touchscreen panel, protective structure, and dedicated trolley backpack make operation safer and transportation easier.



Maintenance-Free & Cost Efficient

No consumables required, reducing operating costs compared with traditional marking methods.

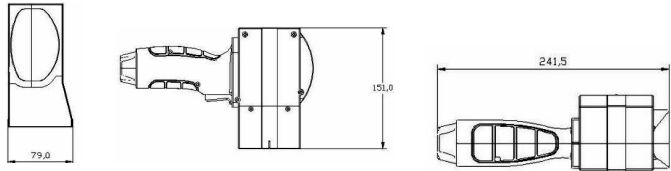
Applications



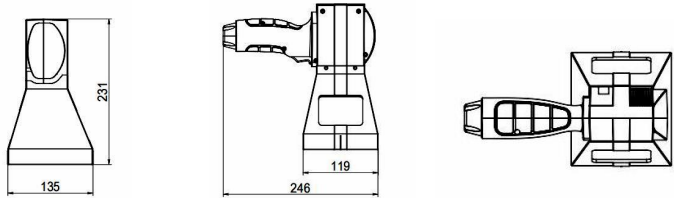
Model		LD50i II	LD50i BII
Basic Configuration	Laser power	50W	
	Laser type	Fiber laser source	
	Laser wavelength	1064nm	
	Mark field	Standard: 100mm x 100mm, optional: 50mm x 50mm	
	Positioning method	Red-light positioning	
Marking Features	Writing speed	650 characters / second	
	Image format	BMP/PNG/JPG/JPEG/PLT/GIF/PBM	
	Code type	Code39, Code128, Code126, Ean13, PDF417, 01 Code; QR, DM, GS1-DM, AztecCode, HanxinCode, DotCode	
	Lines of characters	No limits within mark field	
System Features	Operating system	Sunine V3 platform Linux Based	
	Type of drawings	Both dot matrix and vector	
	Language	Chinese Simplified, Chinese Traditional, English, German, Spanish, French, Italian, Japanese, Korean, Portuguese, Hindi, Russian, Turkish, Arabic, Persian, etc.	
Structure and Conditions	Machine material	Engineering plastics/sheet metal spraying	
	Power supply	220V or 110V 50/60Hz	12000mAh
	Battery run time	/	At 22°C: 5.5 hours
	Full charge time	/	4 hours
	Power consumption	≤350W	
	Machine weight	9.8kg	
	Cooling system	Air-cooled	
	Dimensions	242mm x 79mm x 152mm (handheld) 310mm x 215mm x 307mm (Control box)	
	Working conditions	5-40°C; <85% RH(No-condensing)	

Dimensions (mm)

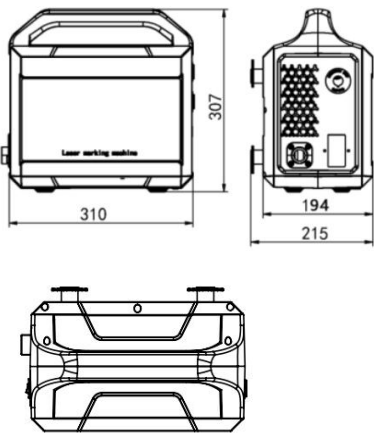
Handheld focusing hood
50x50 mm



Handheld focusing hood
100x100 mm



Control Unit



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Portal to official website