



LD Series 100W High Power 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

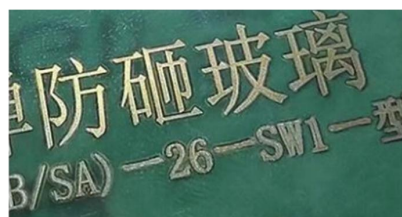
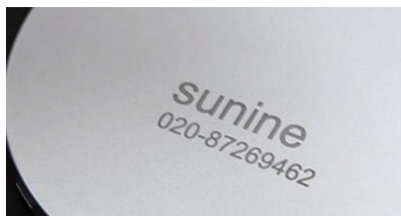
Side touchscreen panel, protective structure, and dedicated trolley backpack make operation safer and transportation easier.



Maintenance-Free & Cost Efficient

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

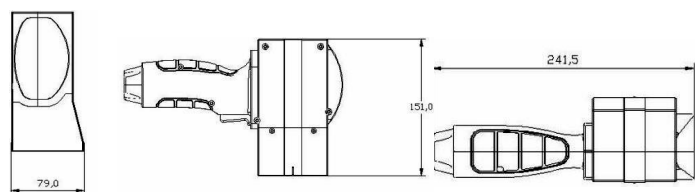
Applications



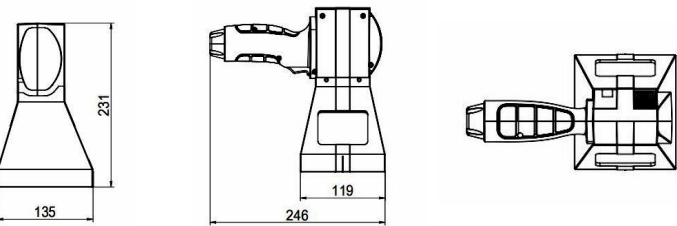
Model		LD100i
Basic Configuration	Laser power	100W
	Laser type	Fiber laser source
	Laser wavelength	1064nm
	Mark field	Standard: 50mm×50mm, optional: 100mm x100mm
	Positioning method	Red-light positioning
Marking Features	Writing speed	650 characters / second
	Image format	BMP/PNG/JPG/JPEG/PLT/GIF/PBM
	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
	Power supply	220V or 110V 50/60Hz
	Power consumption	≤450W
	Machine weight	30kg
	Cooling system	Air-cooled
	Dimensions	241.5mm x 79mm x 151mm (Handheld hood) 340mm x 250mm x 521mm (Control box)
	Working conditions	5-40℃; <85% RH(No-condensing)

Dimensions (mm)

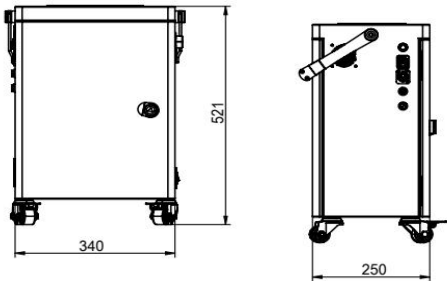
Handheld focusing hood
50x50 mm



Handheld focusing hood
100x100 mm



Control Unit



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Portal to official website