

LD Series 20/30/50

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

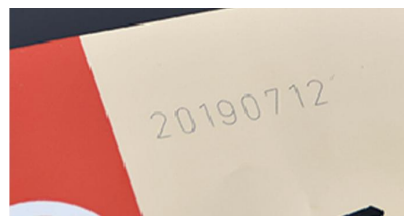
Side touchscreen panel, protective structure, and dedicated trolley backpack make operation safer and transportation easier.



Maintenance-Free & Cost Efficient

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

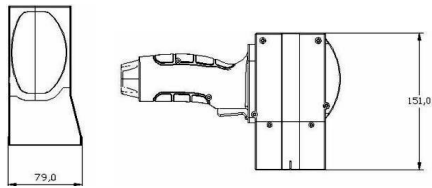
Applications



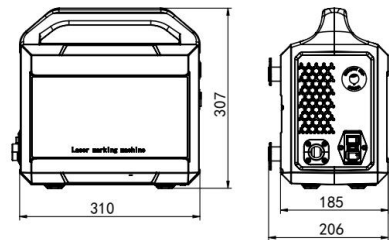
Model		LD20i II	LD30i II	LD50i II	LD20i BII	LD30i BII	LD50i BII
Basic Configuration	Laser power	20W	30W	50W	20W	30W	50W
	Laser type	Fiber laser source					
	Laser wavelength	1064nm					
	Mark field	Standard: 100mm x 100mm, optional: 50mm x 50mm					
	Positioning method	Red-light positioning					
Marking 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	≤150W	≤150W	≤350W	≤150W	≤150W	≤350W
	Weight of control box	6.7kg	6.7kg	7.6kg	8.1kg	8.1kg	8.8kg
	Weight of handle	1kg	1kg	1kg	1kg	1kg	1kg
	Cooling system	Air-cooled					
	Dimensions	242mm x 79mm x 152mm (Handle 50x50mm) 246mm x 135mm x 231mm (Handle 100x100mm) 310mm x 206mm x 307mm (Control box)					
	Working conditions	5-40°C; <85% RH(No-condensing)					

Dimensions (mm)

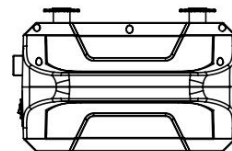
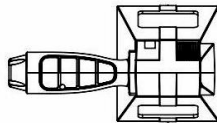
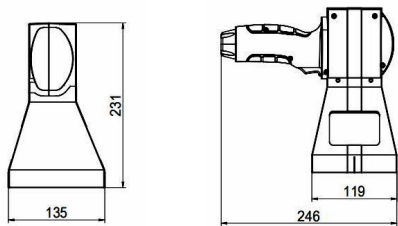
Handle 50x50 mm



Control Unit



Handle 100x100 mm



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