



K Series On-The-Fly Laser Printer

Fiber Laser Marking System

Introduction

Engineered for high-efficiency industrial branding. Featuring an extreme compact design, this 1064nm series offers flexible power from 20W to 50W for precision marking. With an exceptional lifetime of >100,000 hours and maintenance-free operation, SUNINE delivers the ultimate cost-effective solution to maximize your marking efficiency.



Zero Consumables & Low Operating Cost

No ink, solvent or ribbon required. Eliminate cost for consumable purchasing, storage and replacement; avoid nozzle clogging and ink leakage for long-term cost-effective production.



Permanent Marking for Traceability

Non-contact laser etching creates fade-proof, scratch-resistant marks. Ideal for batch codes, QR codes and serial numbers for full-product traceability.



Extra-long Life & Minimal Maintenance

Fiber laser source with 100,000-hour rated service life. Air-cooled design (no water-cooling needed), low failure rate and near-zero routine maintenance to reduce production downtime.



Wide Material Compatibility

High-definition coding on metals (stainless steel, copper, aluminum, carbon steel) and hard engineering plastics such as ABS & PA.

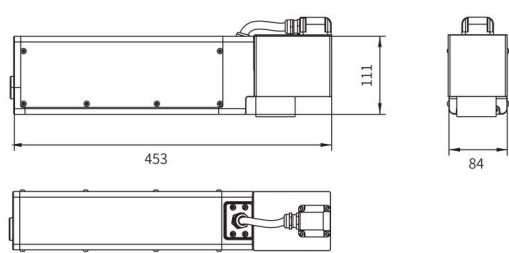
Applications



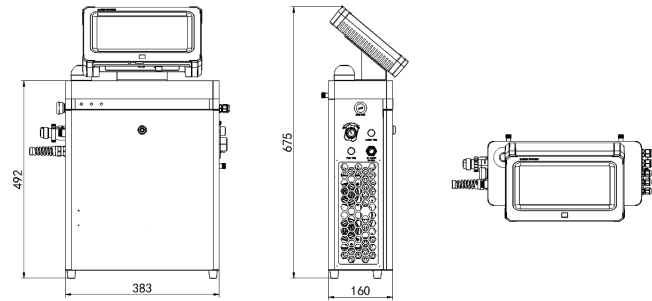
Model		K720	K730	K750
Basic Configuration	Laser power	20W	30W	50W
	Laser type	Fiber laser source		
	Laser wavelength	1064nm		
	Mark field	Standard: 110mm x 110mm, maximum: 400mm x 400mm		
	Positioning method	Red-light positioning		
Marking Features	Writing speed	900 characters / second		
	Production line speed	0~189m/min (varies according to materials and printing contents)		
	Image format	BMP/DXF/PNG/JPEG/PLT/JPG		
	Code type	Code128A, Code128B, Code128C, Code39, Code93, Ean13, PDF417, 01 Code; QR, DM, GS1-DM, AztecCode, HanxinCode, DotCode		
	Lines of characters	No limits within mark field		
System Features	Operating system	Linux		
	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.		
	Interfaces	RS-232C / USB2.0 / Ethernet, I/O		
Structure and Conditions	Machine material	Anodized Aluminum (Laser Head) & Stainless Steel (Control Unit)		
	Power supply	220VAC 50 / 60Hz (110VAC optional)		
	Power consumption	≤400W		≤600W
	Machine weight	22kg		29kg
	Cooling system	Air-cooled		
	Dimensions	453mm x 84mm x 111mm (Laser head) 383mm x 160mm x 492mm (Control box)		
	Working conditions	5-40°C; 30%-85% RH(No-condensing)		

Dimensions (mm)

20W/30W/50W Laser Head



20W/30W/50W Control Unit



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