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PRINTERS, INKS & SPARE PARTS

DATA SHEET

PORTABLE FIBER LASER MARKING MACHINE

KLFP18 | KLFP23

18 W | 23 W
laser power

IP43
protection level

100,000 h
laser beam life

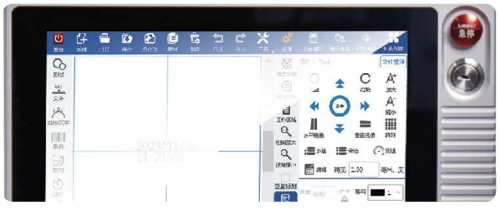
11.3 kg
gross weight

No consumables. Maintenance free. Easy to operate.



About the product

- The KLFP18 and KLFP23 portable fibre printers are **small, lightweight, easy to transport** and manufactured with **military grade components**.
- They can be installed on any type of application thanks to the variety of **mounting brackets** available for this series of printers.
- The **10.1 inch colour touch screen** makes data entry highly visible, thanks to a powerful and easy-to-use interface that improves day-to-day operability.
- A wide variety of substrates or products can be marked such as metals, stainless steel, computer parts, industrial bearings, sanitary ware, medical equipment, eyeglasses, watches, automotive parts, electronic and communication products, aerospace devices, pipes, plastics, etc.
- The lifetime of this printer **exceeds 100,000 beam hours.**
- These printers have the capability of **static and dynamic marking** which is unique in the market.
- **The only manufacturer to offer a 2-year extended warranty.**



10.1 inch colour touch screen

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Machine parameters

Model	KLFP18 | KLFP23
Laser type	Fiber Laser
Laser wavelength	1064 nm
Laser power	18 W | 23 W
Positioning method	Automatic red light positioning, focusing, preview
Marking speed	Depends on the size and complexity of the surface material and the marking content

Machine parameters (cont.)

Number of marking lines	Unlimited
Character height	0.6 to maximum engraving range
Marking range	Standard (100x100), optional (30x30)/(50x50)
Galvanometer scanning head	High-precision 2D digital scanning system
Laser life	Reach up to 100,000 hours

Software and control

Language	English, Simplified Chinese, Traditional Chinese, Korean, Japanese, Russian, Spanish, Persian and other languages
Graphic format	JPG, BMP, PNG, PLT, DXF, DOT, etc.
Other Data Formats	Support a variety of variable formats (date, time, serial number, random number, VIN code, file data, communication receiving data, scanning gun data, etc), support one-dimensional code and two-dimensional code, arc text, etc
Controller	10.1-inch color display, industrial touch screen
Operating system	Embedded Linux security operating system
Product speed monitoring	Support AB phase encoder
User interface	Photoelectric signal, encoder signal, alarm signal, I/O (NPN, PNP, switch type sensor), RS232 communication, etc.

Electrical, environment and construction

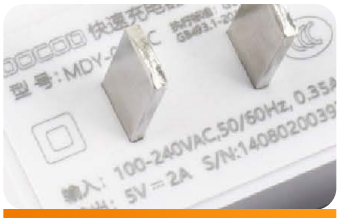
Cooling system	Air cooling
Protection level	IP43
Power requirements	100 V-240 V / 50-60 Hz
Machine power	< 150 W
Material	Aluminum alloy

Electrical, environment and construction (cont.)

Operating temperature and humidity	External temperature 0°C-45°C. Humidity 95%; non-condensing; no vibration
Host (L x W x H)	342 mm x 105.2 mm x 223.6 mm (including bracket)
Packing size (L x W x H)	640 mm x 400 mm x 310 mm
Machine gross weight	11.3 kg

Widely used


Cosmetic packaging


Electronic product


Crystal


Plastic

Dimensions

