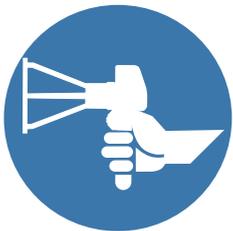


F Series

Handheld Smart Laser Marking Machine

Average output power:

20W / 30W



Hand-held and portable,
wireless marking



6-8 hours long
battery life

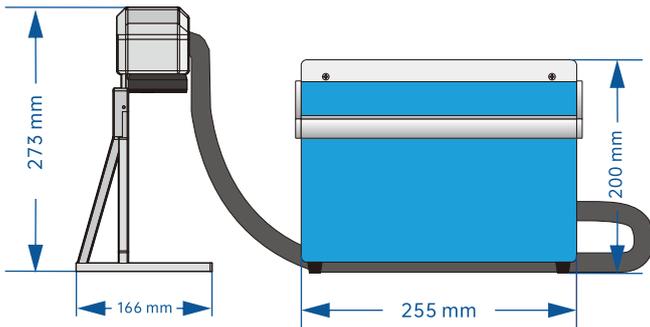


PRODUCT DESCRIPTION

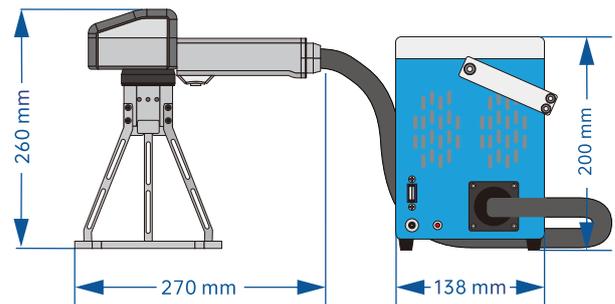
The F Series handheld smart laser machine is a portable, battery-powered and fully autonomous marking machine. Due to its powerful 24V rechargeable lithium battery power supply system, it can maintain 6-8 hours of work under normal use, with strong endurance and no cable drag, avoiding the embarrassment of sudden power failure during use. **Its light weight and multiple functions make it especially suitable for perfect marking on large, cumbersome or difficult to move workpieces.**

F Series handheld smart laser machine is powerful, sturdy and reliable. The weight of the machine is 6 kg. Its marking head is only 1.25 kg. It has an ergonomic grip that comfortable to hold and easy to operate. It supports rear USB interface. Software support: text, pattern, two-dimensional code, barcode, serial number, graphics and other marking content. In addition, F Series also has a special box that is convenient for storage and can be carried to different locations. It is one of the smallest rechargeable laser marking machines on the market.

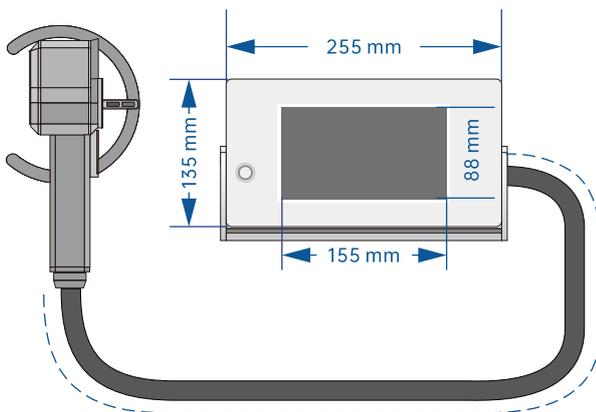
PRODUCT SIZE



FRONT VIEW

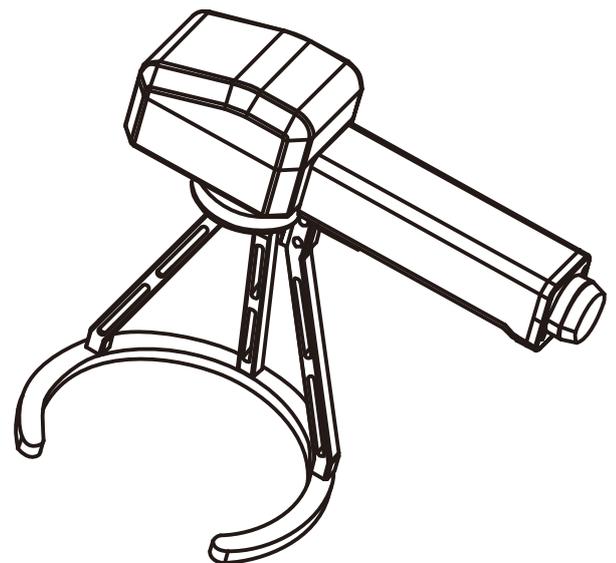


END VIEW



Laser source circuit 1135 mm

VERTICAL VIEW



Laser 3D composition

PRODUCT PARAMETER

Modelseries		F Series		
Model		F 20i	F 30i	F 50i
Laser parameter	Output power	19.5W	26.5W	50W
	Beam qualityM ²	≤ 1.4		
	Pulse repetitionrate	27-60kHz		
	Laser wavelength	1064 ±5		
	Outputpower stability	< 3%		
Optical properties	Marking range	75mm		
	Engraving depth	≤1mm (depending on power and time)		
	Engraving speed	≤10000mm/s		
	Repea tability	±0.005		
	Minimummarker line width	0.1mm		
	Minimum character height	0.15mm		
Use environment	Battery life	Under normal use, it can maintain work for 6-8 hours		
	Cooling method	Built-inair cooling		
	Power supply to the system	500W/100-240V/50/60Hz		
Other parameters	Operating system	Linux operating system		
	File format	Software supports text, pattern,QR code,barcode,serial number,graphics and other marking content(standard USB input)		
	Dimen sions	Control chassis: 255X135X200mm Stamping head:270X166X273mm	Control chassis:275x150x200mm	
	Total weight	The whole machine is 6kg,and the head is 1.25kg		Thewholemachineis6.5kg,andtheheadis1.25kg

SCOPE OF APPLICATION



Automobile manufacturing industry



Aerospace industry



Metal processing industry



Constructionmachinery industry



Household appliance industry



Energy industry

PRODUCT ADVANTAGES

Operation demonstration



1. Wireless marking

- Configure 24V lithium battery to achieve complete wireless
- It can maintain 6-8 hours of work under normal use, with strong endurance
- Automatic start-stop design, automatic shutdown after 60 seconds of standby, saving power and reducing consumption.

2. 100% portable

- The weight of the whole machine is 6KG, the marking head is only 1.25KG, it is small and light, and it can be printed on the go
- Especially suitable for marking on large, heavy or difficult to move workpieces
- Special suitcase for easy transportation

3. High-quality light source

- The weight of the whole machine is 6KG, the marking head is only 1.25KG, it is small and light, and it can be printed on the go
- Especially suitable for marking on large, heavy or difficult to move workpieces
- Special suitcase for easy transportation

PRODUCT CHARACTERISTICS

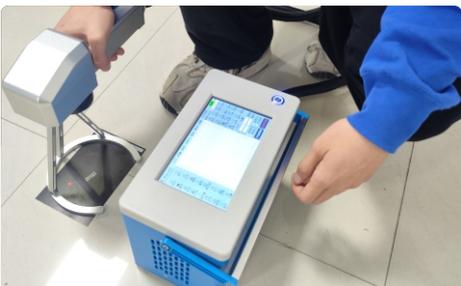


THE WHOLE MACHINE WEIGHS 6KG, IT IS LIGHT AND PORTABLE TO MARK ANYWHERE.

Powerful and reliable, the weight of the whole machine is 6 kg, and its marking head is only 1.25 kg. It has an ergonomic grip that comfortable to hold and easy to operate.

ADVANCED FIBER 20W LASER

Using MAX 20W fiber laser source, the spot quality is good, the output light power is stable, and it can be flexibly applied to metal materials and some non-metal materials.

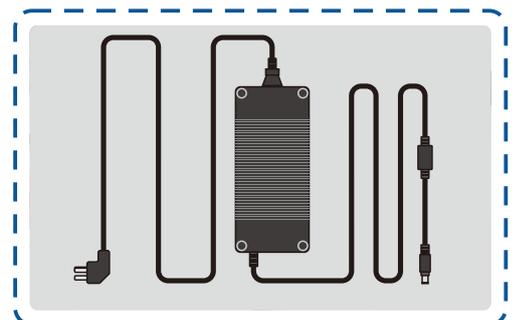


LONG BATTERY LIFE, 6-8 HOURS WORKING TIME

It uses 24V lithium battery to achieve complete wireless, which can maintain work for 6-8 hours under normal use.

MARKING WHILE CHARGING, THE DEVICE CAN BE CHARGED AND USED AT WORK

Increased power control design, the equipment can be charged during work, to achieve continuous work and improve processing efficiency



PRODUCT CHARACTERISTICS

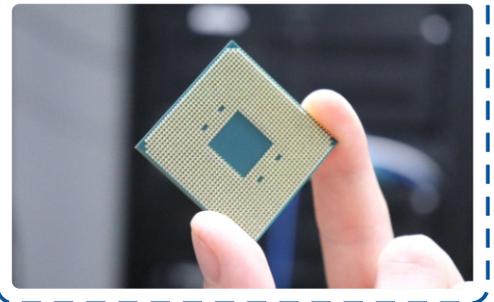


AUTOMATIC START AND STOP DESIGN, SAVING ELECTRICITY AND REDUCING CONSUMPTION

Added automatic start-stop design, it will automatically stop after 60 seconds of standby and restart by tapping the screen;The standby time can be customized to effectively save unnecessary power consumption

EIGHT-CORE CPU, CONFIGURE LINUX SYSTEM

The host adopts an 8-core processor and is equipped with a Linux system with a high security level. It has stable performance, fast response speed and is not easy to be poisoned and downtime.



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DIVERSIFIED MARKING CONTENT, SUPPORT LANGUAGE CUSTOMIZATION

Rear USB interface, software support: text, pattern, QR code, barcode, serial number, graphics and other marking content;It supports operating system language customization.

Convenient carrying case

Light travel, easy to store, the appearance of wear-resistant design, better protection of the box.



MARKING EFFECT



● Metal steel



● Metal iron



● Metal aluminum



● Metal copper



● Electroplating paint



● Painting material



● Hard plastic



● Wood