

Handheld laser marking machine

simple integrated design can easily mark the intuitive user interface and built-in wizard under various working conditions, which can significantly reduce operator training and let you master it quickly.

Highest cost performance

Provide high-quality products at a reasonable price to make laser technology universal.

Precision design

Excellent German technology and excellent component design ensure reliable and high-quality systems that can handle various application scenarios



Optical fiber handheld 20 / 30W series specifications / laser marking machine

We provide high-quality and reliable laser systems, which are trusted by customers in many countries and regions.



Optical fiber handheld 20 / 30W series specifications / laser marking machine

Endless possibilities and technical advantages. Intelligently manage your marking process, from the workshop to the automated production line, so that you can easily complete multiple tasks.



Built in battery design

24V lithium battery (optional), 12Ah high capacity battery



Portable design, multiple uses

Portable + desktop (optional) + flight design (optional) suitable for a variety of occasions



Configure Linux system

8-core processor with high configuration security. Stable performance, fast response, not easy to be poisoned and down

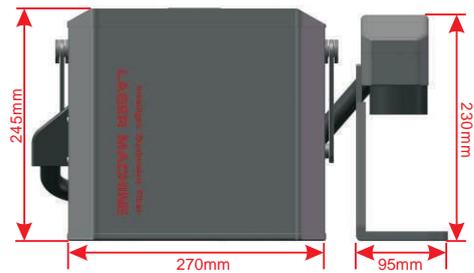


All aluminum body, precise and compact.

The weight of the whole machine is 8.25kg, and the marking head is only 1.25Kg.

Ergonomic design, comfortable to hold and easy to operate

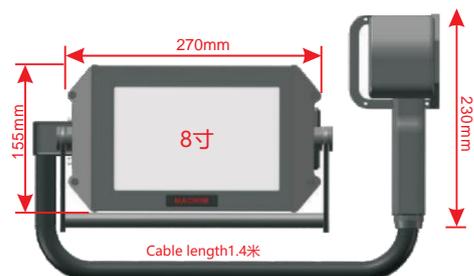
Equipment front view



Left view of



Top view of equipment



Carton Size : 470*410*360mm

High quality laser Laser printer (20 W / 30 W)

◆ main technical parameters :

project	Parameter table	F-20W	F-30W
Overall characteristics	Material of complete machine	Sand blasting oxidation all aluminum structure	
	Laser	The service life of fiber laser generator is more than 100000 hours	
	Laser wavelength	1064nm	
	Actual output power	≥20W	≥30W
	Marking speed	≤12000mm/s	
	master control	8 inch touch controller	
	Cooling system	Normal temperature air cooling	
	Minimum line width	0.0012mm	
	Positioning mode	Red light indication	
	Number of lines of engraved characters	Within the marking range Any number will do	
	Production line speed	0 ~ 130m / min (depending on the material)	
Software introduction	Multilingualism	English, French, Spanish, German, Chinese, Russian, Arabic, etc	
	Operation authority	Multi user management authority	
	operating system	Linux system	
	Inkjet mode	Static, analog and encoder. Three printing modes	
	Reserved signal	Start printing, printing status, printing completion, fault alarm	
	data protection	With power-off data protection function	
	Missing print monitoring	False triggering due to material reflection, providing overspeed alarm function	
	Remove intersections	Automatically remove intersection points to avoid overlapping	
	Coding software	It can realize single and dual code sending	
Supporting content	typeface	Chinese, English, digital, traditional and other standard font	
	file format	BMP/DXF/HPGL/JPEG/PLT	
	bar code	Code39, code128, code126, QR, Zhizhi code (optional)	
parameter	Power Supply	Standard configuration: external power supply 220V / 50Hz	
	Power consumption	200W	
	Net machine weight	Handheld case: 7kg, handpiece: 1.25Kg, total weight after carton packaging: 8.25kg	
	Overall dimensions	Case: 270 * 155 * 245, hand-held head: 240 * 100 * 230mm, packing case: 470 * 410 * 360mm	
	Battery endurance	Optional: built in battery: 12000mAh normal use time 12-16 hours	
environment	requirement	External temperature: 0 °C - 45 °C; Humidity ≤ 95%; Non condensing; No vibration	

◆ Quality standards implemented

序号	名称
GB 7247-87	Radiation safety of laser products, need for equipment classification and user guide
GB10320-88	Electrical safety of laser equipment and facilities
ISO9000-3	International software standards
GB/T12123-89	Sales packaging procedure
IEC 536	Classification of electric and electronic equipment protection against electric shock

High quality laser

Laser printer (20 W / 30 W)

◆ Main configuration:

Serial number	name	brand	model	quantity	Place of Origin
1.	Laser	Wuhan Raycus	F20/30	1台	Wuxi, China
2.	Galvanometer	Shenzhen zhibo-tech	ZB2D10C1064	1个	Shenzhen, China
3.	Field mirror	Shenzhen JGZ	JGZL1-1064-160-110	1个	Shenzhen, China
4.	Power Supply	Taiwan Mingwei	S150-24W	1台	Taiwan, China
5.	Software control system	Shenyang Baichuang	8-inch built-in control screen	1台	Shenyang, China
6.	Battery (optional)	BIKE	12000mA	1个	Zhengzhou, China
7.	wave filter	Taiwan YUNSANDA	CW2B-10A	1台	Taiwan, China

◆ Attached accessories and relevant data

序号	名称	数量	备注
1	Laser equipment	ONE	Accessories
2	Debugging tools	ONE	Accessories
3	Mechanical and circuit diagram	ONE	Accessories
4	power cord	ONE	Accessories
5	instructions	ONE	Accessories
6	Warranty bill	ONE	Accessories
7	certificate	ONE	Accessories
8	USB stick	ONE	Accessories

More details

DERAILS FIELD



Left side



front



Right side



Add lifting bracket and workbench



Add synchronizer for mobile marking in pipe industry

Take convenience as the standard

Simplicity – the large-scale "what you see is what you get" color touch screen provides intuitive icons and shortcuts to ensure user-friendly operation. And other safety functions are fast and easy to use, and can pass the standard

The USB port is convenient for information loading and Ethernet access.

It can meet your development needs and conveniently update the power of your marking machine without changing the whole system. High flexibility, laser scheme can process various workpieces (brittle, soft, hard, surface removed)

- 20W: Economic scheme, matching with conventional production line
- 30W: Versatile high-performance solution for high-speed production lines
- 50W: Strong scheme, suitable for applications requiring high speed and depth. Can be used for engraving



company:

address:

Telephone:

mailbox:

website :

contacts:

The company reserves all rights, and it is the unchanged policy to continuously optimize the design scheme. We reserve the right to change the specifications without notice.

文件号SY20210634

br-5008-sb-fw-23

正在申请专利

