Rottweil®

Easy coding

MLF 530/550
fiber laser marking machine

Permanent and high contrast labels can be printed on flexible packaging, hard plastics (PE/PP), metals, and other materials commonly used in industries such as food and cosmetics, ensuring product traceability. When coding in non-metallic materials, cleaner labels will be obtained than CO2 laser coding machines, making it very suitable for labeling flexible packaging films.

Easy to operate within reach

Simple integrated design ensures smooth integration into your production line, intuitive user interface and built-in wizard, which can significantly reduce operator training and make you master it quickly.

High quality products economically reliable

No consumables required,permanent identification,economically reliable identification application.
Obtain excellent products at reasonable prices to make laser technology universal.

Precise design and flexible use

German technology and excellent component design ensure a reliable and high-quality system that can handle various application scenarios.

Excellent technology endless possibilities

Intelligent management of your labeling work process from the workshop to the automat production line, allows you to easily complete multiple taskes, repeat checks historical files and other external data import or scan to obtain data sources.

Shanghai Rottweil Handyware Printing Technology Co., Ltd

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Main technical parameters:

project	Parameter table	30w	50w
characteristic	Machine material	All aluminum sandblasting oxidation	
	Laser	The service life is more than 100000 hours	
	Laser wavelength	1064nm	
	Output power	≥30W	≥50W
	Marking speed	≤12000mm/s	
	Controller	10.2 inch touch controller	
	Cooling system	Air cooling	
parameter	Focus lens	165mm	
	Minimum line width	0.0012mm	
	Repetition accuracy	0.003mm	
	Marking range	110mm×110mm(optinal)	
	Positioning mode	Red light focusing	
	Number of rows	Any line within the marking range	
	Production line speed	0~130m/min (depending on the material)	
Software	Multilingual	English, Spanish, German, Chinese, Russian, Arabic, etc	
	Management authority	Multi user management authority	
	Operating system	Linux system	
	Marking mode	Static, analog, encoder	
	Reserved signal	Start, print status, finish, fault	
	Data protection	With power failure data protection energy	
	Monitor	Provide over speed alarm function	
	Decross	Automatic removal of intersections	
	Coding software	Single and double machine code sending	
Support type	Fonts	Chinese and English, numbers, traditional, etc	
	File format	BMP/DXF/HPGL/JPEG/PLT	
	Barcode	CODE39、CODE128、CODE126、QR	
Servicing parameters	Power Supply	220V/50HZ	
	Power consumption	400W	
	Net weight of machine	Laser part: 7.5kg, flight support part: 22kg	
	Overall dimension	Head: 600mmX164mmX157mm	
environment	Requirement	External temperature: 0℃~45℃; humidity≤95%; Non-condensing; vibration-free	

sample:

Coating film

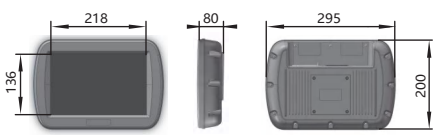
Metal

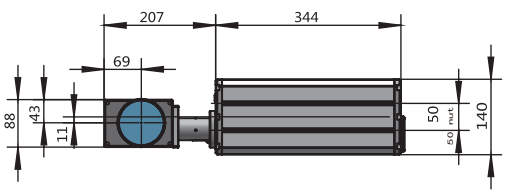
Bottle cap

Cable

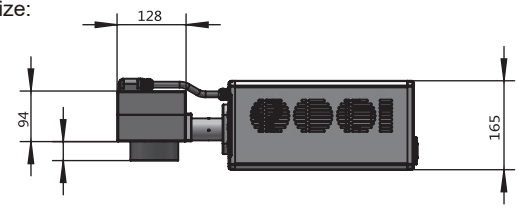
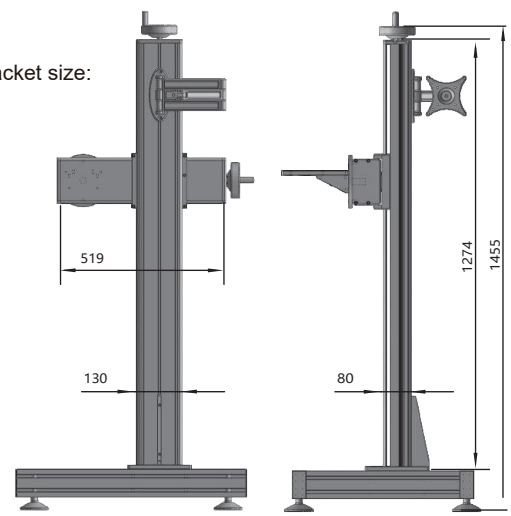
External dimensions:

Controller size:





Laser head size:



Bracket size: