Portable Fiber Laser Engraving Machine

With the intelligent red light positioning system, double insurance, various configurations, Hard-core positioning allows you to perform stably

Grip buttons, control marking with one hand

With its unique advantages, the portable laser engraving machine system truly allows you to mark on demand.

Long-term, stress-free operation

High-quality precision parts, rejects low quality
Ready-to-use, zero maintenance cost
Independently developed software system, stable work without errors

Born for efficiency

Marking speed can reach 7000mm/s
Employ standard and custom communication protocols
Independently developed smart chips with powerful performance can quickly process huge data and complex patterns.

Simple and easy to use

Intelligent touch screen operation interface
System content is easy to understand
Support various languages, one-click marking

Easy to integrate

Thin and light body with high-density materials
Quartz high-transmission coated field lens expands field of view
The focal length can be adjusted at will to adapt to a variety of working distances, making production line integration more flexible.
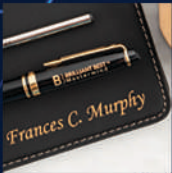
Industrial Experiences:
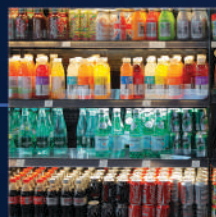
A variety of content can be identified

English, Arabic, date, logo, pictures, QR code, barcode
Any marking content can be easily handled

Font	Logo	Date	Barcode	QR code	Pictures

Easily handle various materials

Suitable for a variety of production materials
Metal: steel, iron, aluminum, zinc, copper, etc.
Curved objects, hard plastics, Melamine board

Automative	aluminum	steel

Hard plastic	Cooper	Metal

Product Parameter Table	CSC 20W FL50/100	CSC 30W FL50/100	CSC 50W FL50/100
Machine material	Engineering plastics		
Laser type	Fiber laser generator		
Output Power	≥20 W	≥30 W	≥50 W
Laser wave length	1064 mm		
Printing method	High-precision two-dimensional scanning method		
Marking speed	≤7000mm/s		
Master control	Highly integrated motherboard with built-in 7-inch screen		
Maximum pulse energy	0.75mJ		
Frequency adjustable range	30-60 kHZ		
Operating system	Linux		
Cooling System	Air cooling		
Marking line type	Dot matrix and vector integrated machine (can do both dot matrix and vector printing)		
Reflector size	Standard configuration: 8.5mm		
Marking range	50mm×50mm \ 100mm×100mm		
Targeting	Red light positioning		
Number of lines of characters to be engraved	Any row within the marking range		
printing speed	650 characters/second (the specific speed is related to the product material and printing content)		
Font	English, Arabic numerals and other standard fonts		
File format	BMP/DXF/HPGL/JPEG/PLT		
Barcode/ QR code	CODE39, CODE128, CODE126, EAN13, PDF417, 01CODE, QR, AZTECCODE, DM, GS1DM, DOTCODE, HANXINCODE		
battery capacity	12 amp hours		
Use time measured at an ambient temperature of 22°C	≤7hours		
Full charging time	4huors		
Net weight of machine (host + control box)	8.4 kg		9.1 kg
Handheld size	241.5x79x151 mm		25 x79x151 mm
Control box size	310x260x307 mm		310x269x307 mm
pollution level	2		
Overvoltage category	II		
Adapt to temperature	0-40 degree calceus		

Your files "don't have to wait"!

Intelligent touch screen humanized system

Print faster without adding any hassle to your work

Stable and compatible with PLT/JPG/DXF/BMP multi-format files

U disk import   Touch screen editing   One-click coding   HD printing   Accurate and stable

Equipment appearance diagram

Appearance of handheld part

241,5

151,0

79,0

325

152

79,0

LASER SYSTEM

Laser marking machine

315

310

195

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