Handheld Fiber Laser Marking Machine

Reliable & High Quality Product

SUNINE Mini Laser Marker (Second Generation)

SUNINE

Easy To Use

Its intelligent red light positioning system allows you to print accurately

Light Weight

Only 12KG

Easy To Operate

A handler with on/off button

With a distinct advantage, Sunine Intelligent launched a hand-held laser marking system, which truly allows you to mark according to needs.

Long-term stable operation

- Sophisticated parts for machine, say no to substandard products
- Power-on and ready-to-use, zero maintenance cost
- Self-developed software ensures stable performance without any mistakes.

Born for efficiency

- Draw line speed max to 7000mm/s
- Standard and customized communication protocols
- High performance self-developed smart chip set can quickly process huge data and complex graphics.

Easy to operate

- Smart touch screen panel
- System operation is easy to use
- Support various languages, one-button marking

Capability of integration

- Light-weighted body made of high-density materials
- Quartz high-transmittance coated field lens expands the marking field
- The focal length can be adjusted at will and is suited for any distances, who makes production line integration more flexible

APPLICATION

Hardware

Pharmaceutical

Cosmetics

Chemicals for daily use

Domestic appliances

Food

Electronics

Beverage & Dairy

Tobacco

Jewelry

Permanent Marks Of All Types

Letters, date, logo, graphics, QR code,

barcode can be easily laser-printed.

Letters

LOGO

Date

Barcode

QR code

Graphics

A Wide Range of Materials

Suitable for a variety of production materials, such as steel, iron, aluminum, zinc, copper. It can be used for objects with curved surface, hard plastic, painted cardboard boxes, melamine wood and glass.

Copper

Aluminum

Stainless steel

Hard plastic

Painted cardboard

Glass

New & Improved Product to Market

The innovative machine casing is made of quality engineering plastic, which can protect the machine against dust particles and water drops in different production environment.

Tilt the machine at an angle

Lay flat the machine

No Dropping Any Details

Innovative use of gasket helps you control the focal length on any items.

Wrong focal length

Correct focal length

Flexible Marking Position and Marking Field

2 types of marking field for you to choose from

50x50mm and 100x100mm

50mmX50mm

100mmX100mm

Marking In One Second

Intelligent humanized touch screen

Fast printing without wasting time

PLT/JPG/DXF/BMP multi-format compatible

Flesh Drive | Edit on touch screen | One-button for marking | HD Printing | Accurate & Stable

LD Series Specifications / High-quality Fiber Laser Marker

Original (non-battery) Version 20W / 30W

Specification	LD20iⅡ	LD28iⅡ	LD30iⅡ	LD50iⅡ
Case material	Engineering plastic			
Laser type	Fiber laser source			
Output power	≥18~20W	≥25~28W	≥30W	≥50W
Laser wavelength	1064nm			
Frequency range	30-60 kHz		1-600 kHz	30-60 kHz
Marking method	High-precision two-dimensional scanning method			
Line speed	≤7000mm/s			
Control system	Highly- integrated motherboard, a 7-inch touch display built-in.			
Operating system	Linux			
Cooling system	Air cooled			
Type of marking line	Dot matrix and vector			
Reflector size	Standard size：8.5mm			
Marking range	Standard：50mm×50mm or 100mmx100mm			
Positioning method	Red light positioning			
Lines of marking	Any number of lines within the marking range			
Marking speed	650 characters/sec (the specific speed is related to product material and printing contents)			
Fonts	Simplified Chinese, Traditional Chinese, English, Korean, Russian, Arabic numerals and other standard font libraries			
File format	BMP/PNG/JPG/JPEG/GIF/PBM/PLT (PLT is recommended)			
Bar code / QR code	CODE39、CODE128、CODE126、QR、Z-code、DM, visual code, etc.			
Power	220V			
Max power	≤200W	≤250W		≤300W
N.W	7.8kg		9kg	8kg
Control box	310X206X307mm			310X215X307mm
Pollution level	2			
Over-voltage category	Ⅱ			
Working temperature	0-40℃			
Working humidity	30%-95%RH (no condensing)			

LD Series Specifications / High-quality Fiber Laser Marker

Battery Version 20W / 30W

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Bar code / QR code	CODE39、CODE128、CODE126、QR、Z-code、DM, visual code, etc.			
Battery capacity	12Ah			
Working hour	≤5.5H			
N.W	8.4kg		9.8kg	8.8kg
Control box	310X206X307mm			310X215X307mm
Pollution level	2			
Over-voltage category	Ⅱ			
Working temperature	0-40℃			
Working humidity	30%-95%RH (no condensing)			

1 Power Supply

Power version: press the power button on the machine's case after power connection.

Battery version: make sure that the battery is full charged, and then press the power button.

2 Home Screen

3 Creating A New Message

Select( )→ TXT ( )→ Click the "TEXT"→And then select Editor( ) to enter the screen. Creat your new message.

4 Editing Functions

Select "Editor"on the home screen to enter the sreen, shown as following. Select "Text" or "Variable Text"to make a new message and select the necessary features for the new message:

1. Fill,space,angle 2. Text editing 3. Arc features 4. Text position, text length, width and height 5.Double line 6.Single line

5 Property

Click (Property) on the home screen.

Laser Power - Unit: %. Set the percentage for the optical output of the fiber laser. The initial value is 30% (power range 0% -100%). If other parameters remain unchanged, the output energy and the depth of marking are proportional to the value.

Laser Frequency - It's pulse frequency. The initial value is set to 20 KHz (range 1KHz - 100KHz).

Run Speed - Unit: mm/s. Set the speed to be used during marking, the speed range is 1-5000mm/s. If the mark appears to be faint, reduce this value (note that this will increase the marking time).

6 Saving File

Select (

), set a name for the file, then click "Save File", shown as following:

7 Marking

Select (

), click "Start Marking", press the button on the mark handle, the marking machine starts marking.

Customer-Driven Quality

Sunine Laser, a leading laser marking technology company, has its own distinct R&D, production, sales and customer service that satisfy specific consumer needs. Located in Guangzhou High-tech Development District, it has a number of patents of invention of laser marking machine and laser marking computer software, such as "Dual Wavelength", "Hand-held Design", “Dual Station”, "Dustproof Design", etc. Sunine Intelligent has been certificated as a high-tech enterprise in the province in 2016.

The main products of Sunine Intelligent includes On-the-fly laser marking system (CO2, fiber and UV laser), portable handheld laser marking machine, product traceability system, vision system. Both hardware and software are of high quality. The sophisticated laser marking system features function of red light positioning and focusing, power-off protection, multi-control mode, malfunctions control, multi-interfaces, etc.

With the advanced technology, humanized design, superior quality of products, Sunine Intelligent is favored by customers from various industries. Our equipment is widely used in industries including automotive, mechanical, glass, steel, petrochemicals, art & craft, instrumentation, mold, hardware, aviation, electronics, pharmaceutical, food & beverage, pipe, cable, automotive, chemical for daily use for product identification. Sunine has established complete quality control system in the aspect of design, producing, assembling, testing and packaging to ensure the performance and quality of each machine. And thanks to the ability to meet the individual needs of each customer and superior service, the company enjoys a good reputation. Sunine Intelligent is proud that our quality management is certified in accordance with ISO Standard 9001: 2015.

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