



# GEM

Portable Fiber Laser Marking Machine

GEMJB-F20S



**GEM LASER LIMITED**

A Legend Laser machine Manufacture & Solutions

Add . : No.442 ,Wuluo Road,Wuhan,430061 P.R.China .

Tel. : +86-27-84793136

Fax : +86-27-84793136

E-mail: [sales@gem-lasers.com](mailto:sales@gem-lasers.com)

Web : [www.lydhchina.com](http://www.lydhchina.com)



## OVERVIEW

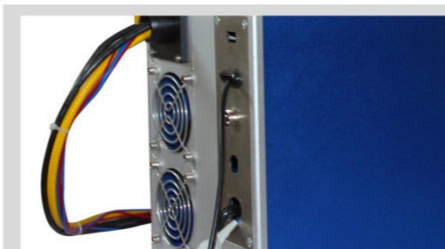
20W Portable Fiber laser Machine GEMJB-F20S system adopts ALL-IN-ONE structure design, with small size, low power consumption, long life, high efficiency, free maintenance, easy installation, and portability. It is easy to operate, and the switch is controlled by one key. The utility model is suitable for personal processing operation and is convenient to be matched with other automatic equipment. With the high-quality laser beam, fine spot, non-consumables. The software is easy to operate.



**1** Import high speed galvanometer scanning head



**2** Emergency switch



**3** The integrated built-in design, fully air-cooled, no consumables, maintenance free, low cost

## Specifications

Model No.	GEMJB-F20S Portable laser marking machine
Power of Laser output	20W Portable laser marking machine
Laser wavelength	1064nm
Repeating frequency	20-100KHz
Light beam quality	<1.5
Carving range	Standard:110mm×110mm option:300mm*300mm
Carving depth	≤0.3
Carving line speed	≤12000mm/s
Minimum line width	0.01mm
Repeating precision	±0.002
Power supply	220V/50Hz
Power consumption	1000W
Operating system	WinXP/Win98/Win2000
Cooling method	Inbuilt air cooling
Control interface	Standard USB
File format	All fonts/characters in characters library of WINDOWS
All Power	500KW

## Features

Hand marking machine is compact and flexible. It is easy to use, the size is similar to a hairdryer. It is very convenient to mark the work with hand. It is free from space restriction. With high-speed, high quality, and high-performance price ratio of fiber laser marking machine.

Portable laser marking machine equipment is the biggest feature of the very small size, can be placed in the car trunk, easy to carry, even in small space can also work.

1. the use of high-speed scanning galvanometer, with photoelectric conversion efficiency, long life, marking speed, and small size, output beam quality better, higher reliability, and truly free of maintenance and so on.

2. software control system supports CORELDRAW, AUTOCAD, PHOTOSHOP and other software output functions.

3. support graphics file formats, such as PLT, DXF, BMP, PCX, and so on. And you can use fonts directly, such as SHX, TTF.

4. it can also carry out barcode, serial number, batch number, date, barcode and two-dimensional code and another automatic marking

5. the appearance of small fashion

6. high resolution: the resolution is 10 times the traditional marking machine.

7. low energy consumption: the traditional marking machine 1/10

8. speed: 3-5 times the standard marking machine

9. stability: similar products in the most stable, free of maintenance.

## Applications

Suitable for printing more precise mark on the parts of various materials. The marking content can be the product model, production date, serial number or various trademark patterns, bar codes and two-dimensional codes, etc..

1. electronic and communication products: integrated circuit chip, wire, and cable, computer keyboard, mobile phone panel, etc..
2. instrument and meter: panels, signs, precision instruments, etc...
3. all kinds of precision parts: auto parts, aerospace devices
4. Hardware Tools: cutter, tools, measuring tools, etc.
5. daily use: jewelry, handicrafts, zippers, clothing, leather, tableware, sanitary ware and so on.
6. Food, beverage and alcohol and tobacco industries

## Laser Marked Samples

