

## **Portable FLM-003 20W Fiber Metal Laser Engraver Maker Machine System for Engraving Gold Copper Aluminum Stainless Steel Chrome Brass**

Compared with our [mini CNC engraving machine](#) such as [CNC 6040](#), [CNC 3040](#), [CNC 6090](#), the [fiber laser marking machine](#) can engrave also easily on metals such as **gold, copper, aluminum, stainless steel, chrome, brass etc**

### **Main features for our Portable FLM-003 20W Fiber Metal Laser Engraver Maker Machine Latest mini version with wifi function**

#### **1. Fiber laser**

German IPG fiber laser or China fiber laser Optional (different price)

NO maintenance laser source

fiber laser servicetime 100,000 hours.

#### **2. High speed galvo scanner**

German or China made Optional (different price)

#### **3. Easy Operate without route maintenance**

#### **4. Higher precision, faster speed**

#### **5. Air cooling**

Small size, low power consumption

#### **6. Red light preview**

show the marking position before lasering

#### **7. Up and Down Lifter laser head (desktop) and up and down worktable**

easy to marking engraving different workpiece

#### **8. Rotary attachment optional**

Engrave and mark inside and outside ring jewellery

#### **9. High temperature resistance**

perfect for marking medical equipment etc that requires sterilization

#### **10. The durability & Finer Marking quality**

optimizes it for use in jewelry, mobile phones, and other items of value.

#### **11. Computer Installed with Free Powerful software**

User friendly interface, easy operation

set and deal different layers graphic in separate Support PLT, PCX, AL, DXF, BMP, JPG formats file

compatible AutoCAD, CorelDraw, Photoshop etc software

Automatic serialization, date coding letter, symbol, pattern, figure, image, bar code, 2D code auto arrangement and amendment

## 02 Parameters

model	FLM-003 20W fiber metal laser engraver maker machine
Laser Power	20w
Laser Brand	German IPG fiber laser or China fiber laser optional(with different price)
High speed Galvo Scanner	USA or Germany made or China made optional
Laser wave length	1064nm
Marking Area	70×70mm 110×110mm 160×160mm optional
Marking speed	≤7000mm/s
Marking depth	0.05~0.5 mm (accord to the material)
Minimum Line width	0.01mm
Minimum character	0.1mm
Cooling way	forced air cooling
General Power	500W
Power Supply	220V/50Hz/1kVA
Optional device	On-line flying marking, 3D marking, Rotary marking, accord to customer request

## 03 Product Images









This **FLM-003 20W Fiber Metal Laser Engraver Maker Machine** can be widely use to mark/printing and engrave on many type of metal material and some non metallic material with different design text, symbol,pattern,bar code,2D code, serial number, and suitable for online marking.



USB drive



MP3



SD card



Stainless steel material



Stainless steel



Automotive panel



Feet marking



gear



Nameplate



cutter



Lamp holder



Ammeter



PCB



Capacitance



Cosmetics box



Electronic shell



Animal Ear Tag



Switch



Two-dimensional code



ring



Pen



egg



wine cover



wine cup



crab



keypads



plastic



metals



Glasses



Bank card





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