

# Portable Fiber Laser Marking Machine for Jewelry

This portable fiber laser marking machine is designed for jewelry and other materials. It features a compact design for easy transport and precise marking on various materials.



## ADDITIONAL IMAGES



## Overview



A comprehensive overview of the EM-Smart features, including its compact design, 20W power, and versatile marking capabilities for various materials.

## Compact & Portable Laser Marking Solution

The EM-Smart is the world's smallest 20W fiber laser marking machine, weighing only 10kg and featuring a unique patented foldable structure with hidden cables. Designed for plug-and-play simplicity, it allows for high-precision marking on jewelry, gifts, and various industrial materials anywhere at any time. This maintenance-free system requires no consumables and offers a long service life of up to 100,000 hours.

## Performance Highlights

### Key Performance Metrics

|                            |                            |                                 |                                   |
|----------------------------|----------------------------|---------------------------------|-----------------------------------|
| <b>20 W</b><br>Laser Power | <b>10 kg</b><br>Net Weight | <b>100000 h</b><br>Working Life | <b>120 W</b><br>Power Consumption |
|----------------------------|----------------------------|---------------------------------|-----------------------------------|

## Technical Specifications

### Optical Components

- High-speed laser scanner head
- Optimized F-Theta lens
- Stable fiber laser source

### Laser Source

20W Fiber Laser

## Connectivity & Software

### Data Transfer

| Method         | Speed/Type      |
|----------------|-----------------|
| USB Connection | Up to 500 KB/s  |
| Flash Drive    | Direct Transfer |

### Operating System Compatibility

Windows XP, Windows 7 (32/64-bit), Windows 10 (32/64-bit)

### Supported File Formats

JPG, BMP, DXF, PNG

## Design & Build

### Physical Features

- Foldable structure
- Hidden cable design
- Compact vertical support
- Integrated control buttons

## Applications

### Ideal For

Jewelry Marking • Gift Stores • Handcrafters • Creative Agencies • Personalized Branding

## Support & Warranty

### Machine Warranty

2 years

### Maintenance Requirement

Maintenance-free with no consumables required