

[Manuals.plus](#) /

> [Irfora](#) /

> MR. Carve M1 Pro Engraver Desk Marking Engraving Carving Marker Machine User Manual

Irfora LAKUSOS8006US

MR. Carve M1 Pro Engraver User Manual

Model: M1 PRO

1. INTRODUCTION

Thank you for choosing the MR. Carve M1 Pro Engraver. This compact and powerful marking machine is designed for high-speed, precise engraving on various materials, including all-metals and jewelry. Featuring wireless APP control and a robust design, the M1 Pro is suitable for both DIY enthusiasts and industrial production. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.

2. PRODUCT OVERVIEW

2.1. What's in the Box

The MR. Carve M1 Pro package includes the main engraving unit, essential accessories, and specialized fixtures for versatile use.

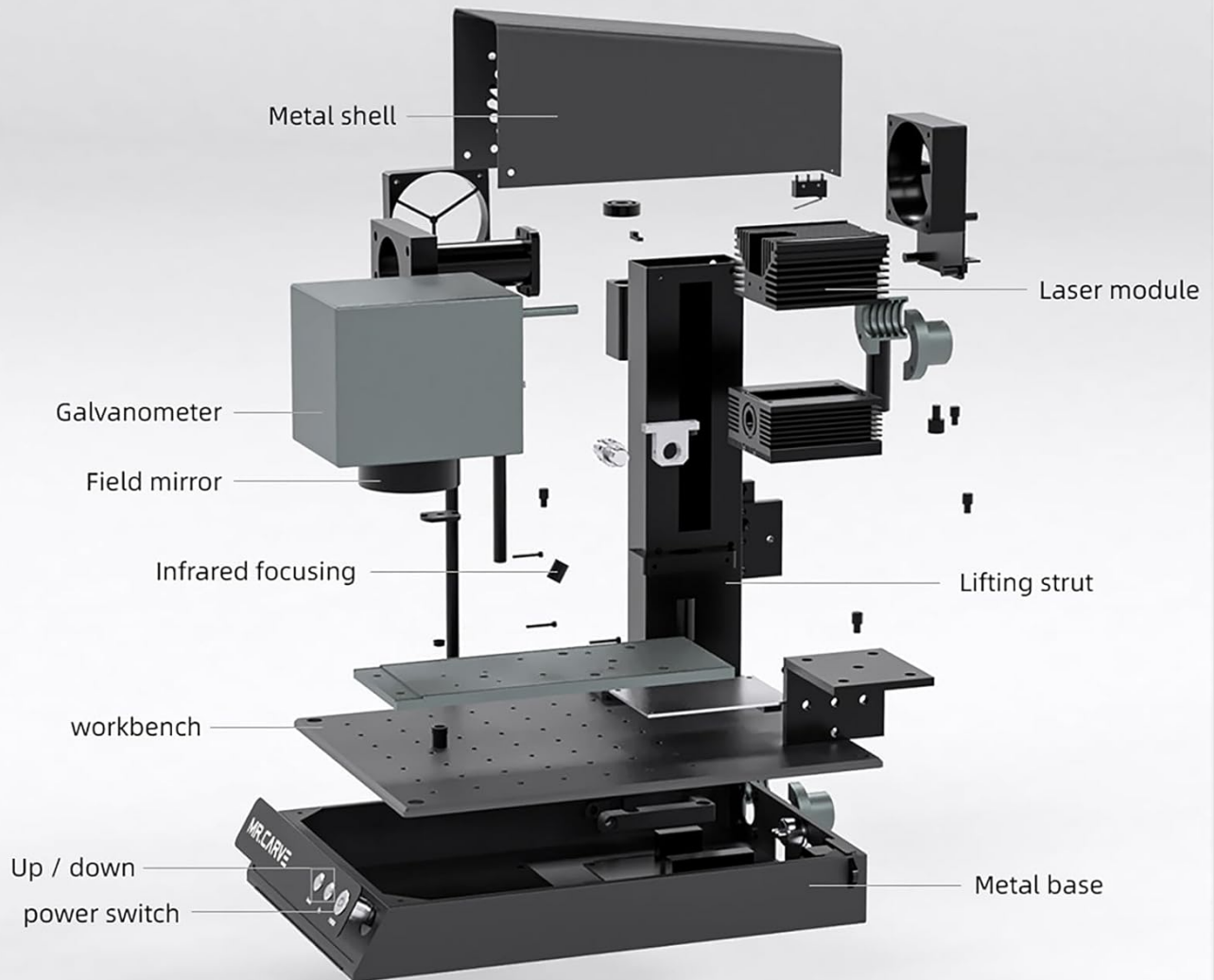


Image: The MR. Carve M1 Pro Engraver with its complete set of accessories, including the RT5 Rotary Roller, RF2 Ring Fixture, power adapter, safety glasses, and various tools.

- 1 x M1 Pro Marking Machine Kit
- 1 x RT5 Rotary Roller (for cylindrical object engraving)
- 1 x RF2 Ring Fixture (for ring engraving)
- 1 x Round Plate
- Power Adapter
- Safety Glasses
- USB Cable
- User Manual (this document)

2.2. Components Diagram

Familiarize yourself with the main components of the MR. Carve M1 Pro Engraver for proper setup and operation.

SMALLER AND LIGHTER

M1 PRO



Size:
300*200*320mm
Weight:6.26KG

OTHER



Size:
1400*680*740mm
Weight:110KG

M1 PRO

6.26KG

7.9inch

11.8inch

55.1inch

26.8inch

29.1inch

110KG

OTHER

Image: An exploded view diagram illustrating the internal and external components of the MR. Carve M1 Pro, including the metal shell, laser module, galvanometer, field mirror, infrared focusing, lifting strut, workbench, up/down power switch, and metal base.

- **Metal shell:** Protective outer casing.
- **Laser module:** Generates the engraving laser beam.
- **Galvanometer:** Controls the laser beam's movement for precise engraving.
- **Field mirror:** Focuses the laser beam onto the engraving surface.
- **Infrared focusing:** Mechanism for adjusting laser focus.
- **Lifting strut:** Allows vertical adjustment of the engraving head.
- **Workbench:** Stable platform for placing items to be engraved.
- **Up / down power switch:** Controls the vertical movement and power of the unit.
- **Metal base:** Provides stability for the entire machine.

2.3. Key Features

- **Faster & More Precise Marking:** Achieves carving speeds up to 10000mm/s, significantly reducing engraving time.

- **Upgraded Wireless Control:** Features APP control for design and editing via smartphone, alongside traditional USB computer connection.
- **All-in-One Engraving Combo:** Supports cylindrical object carving with included RT5 Rotary Roller and RF2 Ring Fixture.
- **Great Performance:** Utilizes Infrared technology for strong controllability, allowing adjustment of power and speed for ideal marking accuracy.
- **Portable Design:** Lightweight at 6.26kg, making it easy to transport and use in various locations.

3. SETUP

Follow these steps for the initial setup of your MR. Carve M1 Pro Engraver:

1. **Unpack:** Carefully remove all components from the packaging. Retain packaging for future storage or transport.
2. **Placement:** Place the main engraving unit on a stable, level surface in a well-ventilated area. Ensure sufficient space around the machine for operation and heat dissipation.
3. **Connect Power:** Connect the power adapter to the machine's power input and then to a suitable power outlet.
4. **Connect to Computer (Optional):** If using a computer for control, connect the machine to your computer via the provided USB cable.
5. **Install Software/App:** Download and install the dedicated engraving software on your computer or the mobile application on your smartphone. Refer to the included software guide for detailed installation instructions.
6. **Attach Accessories:** If using the RT5 Rotary Roller or RF2 Ring Fixture, attach them securely to the workbench as per their specific instructions.
7. **Safety First:** Always wear the provided safety glasses before powering on the machine and during any operation.

4. OPERATING INSTRUCTIONS

The MR. Carve M1 Pro offers flexible control options via computer software or a wireless mobile application.

4.1. Basic Engraving Process

1. **Prepare Material:** Place the material to be engraved on the workbench. Ensure it is stable and flat. For cylindrical objects or rings, use the appropriate rotary fixture.
2. **Power On:** Turn on the machine using the power switch.
3. **Software/App Connection:** Launch the engraving software on your computer or the app on your smartphone and establish a connection with the M1 Pro.
4. **Import/Design Pattern:** Import your desired engraving pattern or design a new one within the software/app.
5. **Adjust Parameters:** Set engraving parameters such as power, speed, and resolution according to the material type and desired effect. Start with recommended settings for new materials.
6. **Focus Adjustment:** Use the infrared focusing mechanism and lifting strut to achieve optimal focus. The software/app usually provides a preview or focusing aid.
7. **Preview (Optional):** Some software allows a low-power laser preview to check the engraving area before starting.
8. **Start Engraving:** Initiate the engraving process from the software/app. Monitor the process closely.

9. **Completion:** Once engraving is complete, wait for the laser to stop, then carefully remove the engraved item.

4.2. Engraving Examples

The MR. Carve M1 Pro is capable of engraving intricate designs on a variety of materials, including metals and jewelry.

Jewelry Engraving

Multi-Module Selection Setting, One Job Multiple Carvings, Make DIY Easily & Daily



Image: A collage showcasing various items engraved using the MR. Carve M1 Pro, including metal dog tags, leather wallets, metal cubes, ceramic mugs, keychains, and jewelry, demonstrating the machine's versatility and precision.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your engraver.

- **Cleaning:** Regularly clean the workbench and surrounding areas to remove dust and debris. Use a soft, dry cloth.
- **Lens Cleaning:** Periodically inspect and gently clean the field mirror and laser lens with a specialized lens cleaning solution and cloth to maintain engraving quality.
- **Ventilation:** Ensure the built-in fan and ventilation openings are clear of obstructions to prevent overheating.
- **Software Updates:** Keep your engraving software and mobile application updated to the latest version for

new features and bug fixes.

- **Storage:** When not in use, store the machine in a clean, dry environment, preferably in its original packaging or a protective case.

6. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Machine does not power on.	Power cable not connected; Power outlet issue; Machine fault.	Check power cable connection; Try a different outlet; Contact support if problem persists.
Laser not firing or weak.	Incorrect focus; Low power setting; Dirty lens; Laser module issue.	Adjust focus; Increase power setting in software; Clean laser lens; Contact support.
Engraving is blurry or inconsistent.	Material not stable; Incorrect focus; High speed setting; Dirty lens.	Secure material; Adjust focus; Reduce engraving speed; Clean laser lens.
Software/App cannot connect to machine.	USB cable issue; Bluetooth/Wi-Fi off; Driver not installed; Machine not powered on.	Check USB cable/port; Ensure Bluetooth/Wi-Fi is enabled; Install necessary drivers; Power on machine.
Machine overheating.	Blocked ventilation; Prolonged use.	Ensure vents are clear; Allow machine to cool down between long operations.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

7. SPECIFICATIONS

Feature	Specification
Model	M1 PRO
Brand	MR CARVE
Product Dimensions (L x W x H)	300mm x 200mm x 320mm (approx. 11.8 x 7.9 x 12.6 inches)
Product Weight	6.26kg (approx. 13.8 lbs)
Carving Speed	Up to 10000mm/s
Wavelength	1064nm
Operating Temperature	-10°C ~ 65°C
Cooling Method	Built-in fan
Accuracy	≤0.001mm
Standard Engraving Area	70x70mm
Supported Systems	Win7/Win8/Win10/WIN11/XP

Feature	Specification
Application Software	Computer operating engraving software / Wireless APP Control
Power Consumption	Below 300W
Line Width	0.001-0.05mm

8. WARRANTY AND SUPPORT

The MR. Carve M1 Pro Engraver comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including warranty duration and coverage details.

For technical support, troubleshooting assistance, or warranty claims, please contact the manufacturer or your point of purchase. Keep your purchase receipt and product serial number handy when contacting support.

Manufacturer: Irfora

Model Number: LAKUSOS8006US

