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MAST TATTOO Fold Pro

MAST TATTOO Fold Pro Wireless Rotary Tattoo Pen Machine User Manual

Model: Fold Pro (YZHBD)

Introduction

This manual provides essential instructions for the safe and effective use of your MAST TATTOO Fold Pro Wireless Rotary Tattoo Pen Machine. Please read this manual thoroughly before operation and retain it for future reference.



Image: The MAST TATTOO Fold Pro Wireless Rotary Tattoo Pen Machine, showcasing its sleek black design and integrated display.

Safety Information

For external use only. This device is intended for professional use by trained individuals. Improper use can lead to injury or infection. Always follow strict hygiene protocols and local regulations for tattooing.

- Always wear appropriate personal protective equipment (PPE), including gloves.
- Ensure the work area is sterile and properly disinfected.
- Use only sterile, single-use needle cartridges.
- Do not operate the machine if it appears damaged or malfunctioning.
- Keep the machine away from water and other liquids to prevent electrical hazards.
- Dispose of all used needles and contaminated materials according to biohazard waste guidelines.

Package Contents

Verify that all items are present in your package:

- MAST TATTOO Fold Pro Tattoo Pen Machine
- Rechargeable Battery Pack (1 or 2, depending on kit)
- RCA Adapter (for wired operation)
- USB-C Charging Cable
- Spare Parts (e.g., O-rings, internal components)
- Instruction Manual

Product Overview

The Fold Pro is a versatile wireless rotary tattoo pen machine designed for various tattooing styles. It features an integrated display and adjustable stroke length.



Image: Detailed view of the Fold Pro's LED screen, showing battery indicator, voltage, timing, and control buttons.



Image: The Fold Pro machine demonstrating both wireless operation with the battery pack and wired operation with the RCA adapter.

Key Components:

- **Machine Body:** The main housing of the tattoo pen.
- **Battery Pack:** Provides wireless power. Features an OLED display for voltage, battery level, and timing.
- **RCA Adapter:** Allows for wired operation with a traditional power supply when the battery is depleted or preferred.
- **Stroke Adjustment Knob:** Located on the machine body, allows adjustment of stroke length from 2.4mm to 4.2mm.
- **Control Buttons:** Power button, voltage up (+), and voltage down (-) buttons on the battery pack.

Setup Instructions

1. **Charge the Battery:**
    - Connect the USB-C charging cable to the battery pack and a suitable USB power source.

- The OLED display will indicate charging status. A full charge typically takes approximately 1.5 hours.
- Ensure the battery is fully charged before initial use for optimal performance.



Image: Illustration of the 1500mAh battery capacity, 1.5-hour charge time, and 5-hour working time.

2. **Attach Power Source:**
   - **For Wireless Operation:** Align the battery pack with the machine body and twist gently to secure it.
   - **For Wired Operation:** If the battery is depleted or wired operation is preferred, attach the RCA adapter to the machine body, then connect an RCA cable from a compatible power supply.
3. **Install Needle Cartridge:**
   - Insert a sterile needle cartridge into the front opening of the machine grip.
   - Twist the cartridge clockwise until it locks securely into place.
4. **Adjust Needle Depth:**
   - Rotate the grip section of the machine to adjust the needle protrusion (depth).
   - Turn clockwise to decrease depth, counter-clockwise to increase depth.

Operating Instructions

1. **Power On/Off:**
   - Press and hold the power button (usually indicated by a circle or 'G' symbol) on the battery pack for a few seconds to turn the machine on or off.
   - The OLED display will illuminate, showing current voltage and battery level.
2. **Adjust Voltage:**
   - Use the '+' button to increase the voltage and the '-' button to decrease it.
   - Adjust voltage according to your needle type, skin type, and desired tattooing effect.
3. **Adjust Stroke Length:**
   - Rotate the stroke adjustment knob on the machine body to select your desired stroke length. The available range is 2.4mm to 4.2mm.
   - The selected stroke length will be indicated by markings on the machine.
   - A longer stroke (e.g., 4.2mm) is generally suitable for lining and color packing, while shorter strokes (e.g.,

2.4mm) are often preferred for shading and softer effects.

4. **Liner/Shader Modes:**
    - Some models may feature quick-switch modes for lining and shading. Refer to the display or power button functionality for specific instructions on activating these modes.
5. **Monitor Battery and Timing:**
    - The OLED display shows the remaining battery life and the elapsed working time.
    - A fully charged battery provides approximately 4-6 hours of continuous operation.

Maintenance and Care

Proper maintenance ensures the longevity and optimal performance of your tattoo machine.

- **Cleaning:** After each use, wipe down the exterior of the machine with a suitable disinfectant wipe. Do not immerse the machine in liquids. Ensure no liquids enter the motor or electronic components.
- **Sterilization:** The machine body is not autoclavable. Use barrier film and disposable grips where possible to maintain sterility.
- **Lubrication:** Periodically apply a small amount of machine oil (specifically designed for tattoo machines) to moving parts as recommended by the manufacturer to ensure smooth operation.
- **Storage:** Store the machine in a clean, dry, and cool environment, away from direct sunlight and extreme temperatures.
- **Battery Care:** Avoid fully discharging the battery frequently. Charge the battery regularly, even if not in use, to maintain its health. Do not expose the battery to high temperatures.

Troubleshooting

If you encounter issues with your Fold Pro machine, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Machine does not turn on.	Battery is discharged; loose connection; power button not pressed correctly.	Charge the battery fully. Ensure battery pack or RCA adapter is securely attached. Press and hold the power button firmly.
Inconsistent power or weak strokes.	Low battery; faulty needle cartridge; incorrect voltage setting.	Recharge or replace battery. Try a new needle cartridge. Adjust voltage to a higher setting.
Excessive vibration or unusual noise.	Loose needle cartridge; internal component issue; worn parts.	Ensure needle cartridge is securely seated. Check for any visible damage. If problem persists, contact customer support.
Battery not holding charge.	Battery degradation; charging cable/port issue.	Ensure charging cable and port are clean and undamaged. If battery life has significantly decreased, consider replacing the battery pack.

If troubleshooting steps do not resolve the issue, please contact MAST TATTOO customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Model Number	YZHBD
Brand	MAST TATTOO
Stroke Lengths	2.4mm, 2.7mm, 3.0mm, 3.3mm, 3.6mm, 3.9mm, 4.2mm (7 options)
Motor	Mcore-C2 Motor
Battery Capacity	1500mAh (Li-ion)
Charging Time	Approx. 1.5 hours (via USB-C)
Working Duration	4-6 hours (depending on voltage and usage)
Weight (Machine + Battery)	Approx. 200g (7.05 oz)
Dimensions (Machine + Battery)	Approx. 128mm (length) x 36mm (grip diameter)
Connectivity	Wireless (battery pack) or Wired (RCA adapter)
Water Resistance Level	Water Resistant (not waterproof, avoid immersion)



Image: Diagram illustrating the dimensions of the Fold Pro machine, battery, and RCA adapter.

Warranty and Support

MAST TATTOO products are designed for durability and performance. For specific warranty details, please refer to the documentation included with your purchase or visit the official MAST TATTOO website.

- **Return Policy:** This product typically comes with a 30-day return/replacement policy. Please check your purchase details for exact terms.
- **Customer Support:** For technical assistance, warranty claims, or any questions regarding your Fold Pro machine, please contact MAST TATTOO customer service. Contact information can usually be found on the product packaging or the manufacturer's official website.

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