

## MAST TATTOO Flip3

# MAST TATTOO Flip3 Wireless Tattoo Machine Kit User Manual

Model: Flip3

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## 1. PRODUCT OVERVIEW

The MAST TATTOO Flip3 is a versatile wireless tattoo machine kit designed for professional artists. It features a coreless motor, adjustable stroke lengths, and dual replaceable batteries for extended operation. This manual provides essential information for the safe and effective use of your Flip3 tattoo machine.

### Key Features:

- **Versatile Operation:** Normal startup and double-tap strong start function for various needle types. Includes an automatic timer for tracking usage.
- **Efficient Coreless Motor:** Operates quietly (under 30dB) and maintains a temperature below 35°C for up to 4 hours. Offers precise 4-12V adjustment (0.1V increments) and reaches 10,000 RPM at 12V.
- **Dual Replaceable Batteries:** Two 1800mAh batteries provide up to 6 hours of continuous use each, supporting uninterrupted work sessions.
- **Adjustable Stroke Lengths:** Seven settings (2.4mm, 2.7mm, 3.0mm, 3.3mm, 3.6mm, 3.9mm, 4.2mm) for diverse tattooing techniques and styles.
- **Complete Kit:** Includes the tattoo machine, two batteries, 20 needles (1205RL for lining, 1205RS for shading), high-pigment black ink, an RCA adapter, and key accessories.

## 2. SETUP GUIDE

### 2.1 Unpacking and Components

Carefully unpack all items from the kit. Ensure all components are present and undamaged.



Image 2.1: Overview of the MAST TATTOO Flip3 complete tattoo kit, including the machine, batteries, needles, ink, and accessories.

### 2.2 Battery Installation and Charging

1. Ensure the battery is fully charged before first use. Connect the Type-C charging cable to the battery and a suitable power source.
2. To install a battery, align the battery unit with the main body of the tattoo machine and twist gently until securely locked.
3. The kit includes two 1800mAh replaceable batteries. It is recommended to keep one battery charging while using the other to ensure continuous operation.

**"EFFORTLESSLY SWITCH BETWEEN BATTERIES"**

# DUAL REPLACEABLE BATTERIES



Image 2.2: The MAST TATTOO Flip3 machine with its dual replaceable batteries, highlighting the ease of switching between power sources.

## 2.3 Needle Cartridge Attachment

1. Select the appropriate Mast Pro needle cartridge for your tattooing needs (e.g., 1205RL for lining, 1205RS for shading).
2. Insert the needle cartridge into the machine's grip, twisting slightly until it clicks into place. Ensure it is firmly seated.

# COMPLETE TATTOO KIT

## SAFE TO USE WITH MAST INK FOR OUTSTANDING RESULTS



Image 2.3: Close-up view of Mast Pro Cartridges, emphasizing their design for smooth and steady operation without ink spitting.

### 3. OPERATING INSTRUCTIONS

#### 3.1 Power On/Off and Startup Modes

1. **Power On:** Press the power button once to turn on the machine for normal startup.
2. **Strong Start Function:** Double-tap the power button for a strong start, which is useful for certain needle types or initial penetration.
3. **Power Off:** Press and hold the power button until the display turns off.



Image 3.1: The Mast Flip3 display showing battery level, voltage, frequency, and timer, with indicators for voltage adjustment and power button.

## 3.2 Voltage Adjustment

1. Use the '+' and '-' buttons on the machine to adjust the voltage. Each press adjusts the voltage by 0.1V.
2. The voltage range is 4V to 12V. Adjust the voltage to achieve the desired speed and power for your tattooing technique.

## 3.3 Stroke Length Adjustment

1. The Flip3 offers 7 adjustable stroke lengths: 2.4mm, 2.7mm, 3.0mm, 3.3mm, 3.6mm, 3.9mm, and 4.2mm.
2. To adjust the stroke length, rotate the grip section of the machine. The current stroke length will be indicated on the machine body.

# TAKE THE REAL STROKES

7 different length settings  
(2.4/2.7/3.0/3.3/3.6/3.9/4.2) mm



Image 3.2: The Mast Flip3 machine illustrating the seven different stroke length settings (2.4mm to 4.2mm) and how to adjust them.

## 3.4 Needle Depth Adjustment

1. After attaching the needle cartridge, twist the grip to fine-tune the needle depth.
2. Adjust the needle protrusion to suit your specific tattooing requirements.



# PARAMETERS

**Weight:** 224g

**Diameter&Length:** 32mm\*147mm

**Motor:** Coreless Motor

**Stroke:** 2.4/2.7/3.0/3.3/3.6/3.9/4.2

**Speed:** 12V/10000PRM

**Connect cord:** Type-C

**Working Voltage:** 4V-12V/45-170HZ

**Battery Capacity:** 1800mAh

Image 3.3: Hands in black gloves demonstrating how to twist and adjust the grip of the Mast Flip3 machine to fine-tune the needle depth.

## 4. MAINTENANCE

### 4.1 Cleaning and Sterilization

Proper cleaning and sterilization are crucial for hygiene and longevity of your tattoo machine. Always follow industry-standard protocols for cleaning tattoo equipment.

- After each use, disassemble the machine as much as possible according to the design.
- Wipe down all external surfaces of the machine with a disinfectant wipe or solution.
- Ensure no liquids enter the motor housing or electronic components. The machine is **not water resistant**.
- Dispose of used needle cartridges safely in a sharps container.

### 4.2 Battery Care

- Charge batteries fully before storage if not used for an extended period.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid overcharging or completely draining the batteries to prolong their lifespan.

## 5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not turn on	Battery is not charged or improperly installed.	Ensure battery is fully charged and correctly attached.
Inconsistent needle movement	Needle cartridge not properly seated or damaged. Low voltage setting.	Re-seat or replace needle cartridge. Increase voltage.
Machine overheating	Prolonged use at high voltage. Blocked ventilation.	Allow machine to cool down. Ensure proper airflow around the machine. If problem persists, contact support.
Battery life is shorter than expected	Battery degradation over time. Operating at very high voltage.	Ensure proper battery charging and storage. Consider replacing older batteries.

## 6. PRODUCT SPECIFICATIONS



# MAST PRO CARTRIDGES

**NO INK SPITTING**

**DURABLE**

**SMOOTH & STEADY**

Image 6.1: Detailed parameters of the Mast Flip3 tattoo machine, including weight, dimensions, motor type, stroke, speed, and battery capacity.

Feature	Detail
Model	Flip3
Weight	224g
Dimensions (Diameter x Length)	32mm x 147mm
Motor	Coreless Motor
Stroke Lengths	2.4mm, 2.7mm, 3.0mm, 3.3mm, 3.6mm, 3.9mm, 4.2mm
Speed	10,000 RPM at 12V
Connect Cord	Type-C
Working Voltage	4V-12V (45-170Hz)

Feature	Detail
Battery Capacity	1800mAh (per battery)
Water Resistance Level	Not Water Resistant

## 7. WARRANTY AND SUPPORT

### 7.1 Warranty Information

For specific warranty details regarding your MAST TATTOO Flip3 Wireless Tattoo Machine Kit, please refer to the warranty card included with your product or contact the manufacturer directly. Warranty terms typically cover manufacturing defects and may vary by region and retailer.

### 7.2 Customer Support

If you encounter any issues or have questions not addressed in this manual, please contact MAST TATTOO customer support through their official website or the retailer from whom you purchased the product. Please have your product model and purchase date available when contacting support.