

Filter X30

Filter X30 Rotary Tattoo Machine Pen User Manual

Model: X30 | Brand: Filter

1. INTRODUCTION

Thank you for choosing the Filter X30 Rotary Tattoo Machine Pen. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tattoo machine. The X30 is designed for both beginners and professional artists, offering advanced features such as 7 adjustable stroke lengths, an OLED digital display, and a powerful 1600mAh battery for extended cordless operation.

2. SAFETY INFORMATION

For Professional Use Only: This device is intended for use by trained and certified tattoo professionals. Improper use can lead to injury or infection. Always adhere to local health and safety regulations for tattooing procedures.

- Always wear appropriate personal protective equipment (PPE), including gloves, during operation.
- Ensure all equipment is properly sterilized before and after each use.
- Do not operate the machine if it appears damaged or malfunctioning.
- Keep the machine away from water and other liquids to prevent electrical hazards, unless specifically designed for cleaning.
- Store the machine and accessories in a clean, dry, and secure location.

3. PRODUCT OVERVIEW

3.1 Components

The Filter X30 Rotary Tattoo Machine Pen consists of the main pen body and a detachable battery pack with an integrated OLED display.



The Filter X30 Rotary Tattoo Machine Pen, showcasing its main body and the detachable battery with OLED display.

3.2 Key Features

- **7 Adjustable Strokes:** The X30 machine offers 7 stroke length options: 2.0mm, 2.4mm, 2.8mm, 3.1mm, 3.4mm, 3.7mm, and 4.0mm. These can be changed on the fly by turning the adjustment knob, allowing versatility for various tattooing styles, including permanent makeup and SMP.

ROTATION ADJUSTMENT



For different puncture areas,
the needle length can be quickly adjusted
by rotating left or right, making it more convenient to use.

Detailed view of the X30's rotation adjustment, enabling quick changes to needle length.

- **Advanced Drive System:** Ensures smooth, precise, and quiet operation, gently transferring ink to the skin with stable voltage and low noise.
- **Custom Motor:** Equipped with a powerful 12V/9500RPM coreless motor, providing exceptional power and durability. It glides through skin without snagging, balancing well for both lining and shading.



An illustration of the X30's customized coreless motor, highlighting its internal components and high RPM.

- **Superior Performance:** Designed for professional artists, excelling in lining, shading, and blending. Its cordless design offers freedom and control.
- **OLED Digital Display:** The upgraded smart screen enhances visibility, showing operating voltage, remaining battery capacity, and runtime.

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Large Capacity Battery Extra Long Standby



1600mAh
Battery Capacity



3-4h
Working Time



2h
Recharging Time



A clear view of the X30's OLED digital display, showing battery level, voltage, and operation time.

- **Large Capacity Battery:** Features a 1600mAh battery capacity, providing 3-4 hours of working time and approximately 2 hours for a full recharge.

Filter Exclusive Technology



Information regarding the X30's 1600mAh battery, including working time and recharging duration.

- **Memory Function:** The tattoo pen can adjust the voltage to the voltage setting that was saved when you stopped, and the starting voltage is the preset voltage of the last shutdown. This feature helps record your tattoo work habits.

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MEMORY FUNCTION

Tattoo pen can adjust the voltage to the voltage setting that was saved when you stopped, and the starting voltage is the preset voltage of the last shutdown. It can record your tattoo work habits very well and become your right-handman in work.

An illustration explaining the memory function of the X30, which saves previous voltage settings.

4. SETUP

1. **Charging the Battery:** Before first use, fully charge the X30 tattoo pen. Due to prolonged inactivity, the battery level may be inaccurate initially. The initial power consumption will quickly dissipate and return to normal after reaching a certain level. Use the provided Type-C charging cable.
2. **Attaching the Battery/Power Supply:** Securely twist the battery pack onto the main body of the tattoo pen until it is firmly connected.
3. **Inserting Needle Cartridges:** Gently push the desired needle cartridge into the front opening of the machine until it clicks into place. Ensure it is seated correctly.
4. **Adjusting Stroke Length:** Rotate the adjustment knob on the machine body to select your desired stroke length (2.0mm, 2.4mm, 2.8mm, 3.1mm, 3.4mm, 3.7mm, or 4.0mm).
5. **Adjusting Voltage:** Use the '+' and '-' buttons on the OLED display to set the desired operating voltage (4V-12V).

5. OPERATING INSTRUCTIONS

1. **Power On/Off:** Press and hold the power button on the OLED display to turn the machine on or off.
2. **Start/Stop Operation:** Briefly press the power button to start or stop the machine during operation.
3. **Voltage Adjustment:** Use the '+' and '-' buttons to fine-tune the voltage according to your tattooing needs and needle type.
4. **Monitoring Display:** The OLED screen will show real-time voltage, battery percentage, and the duration of your current tattooing session.

5.1 Operational Demonstration

Your browser does not support the video tag.

This video demonstrates the unboxing and basic operation of the Filter X30 Rotary Tattoo Machine Pen, including powering on and adjusting settings during a tattooing session.

6. MAINTENANCE

- **Cleaning:** After each use, wipe down the exterior of the machine with a suitable disinfectant. Do not immerse the machine in liquid.
- **Sterilization:** Ensure all parts that come into contact with skin or ink are properly sterilized according to professional tattooing standards.
- **Storage:** Store the machine in its original packaging or a protective case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge it regularly, even if not in use for extended periods.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not turn on.	Low battery; Loose battery connection.	Charge the battery fully; Ensure battery pack is securely attached.
Inconsistent power/stuttering.	Low battery; Faulty needle cartridge; Motor issue.	Recharge battery; Replace needle cartridge; Contact support if problem persists.
OLED display not working.	Battery issue; Internal fault.	Ensure battery is charged and properly connected; Contact support.

If you encounter any problems or require further assistance, please refer to the After-Sale Service section or contact Filter customer support.

8. SPECIFICATIONS

- Brand:** Filter
- Model:** X30
- Stroke Lengths:** 2.0mm, 2.4mm, 2.8mm, 3.1mm, 3.4mm, 3.7mm, 4.0mm (7 adjustable options)
- Motor:** Custom Coreless Motor, 12V/9500RPM
- Operating Voltage:** 4V-12V
- Battery Capacity:** 1600mAh Lithium Ion
- Working Time:** Approximately 3-4 hours (cordless)
- Recharging Time:** Approximately 2 hours
- Display:** OLED Digital Display
- Connectivity:** Type-C Charging Port
- Material:** Aircraft Aluminum
- Package Dimensions:** 7.44 x 3.94 x 2.24 inches
- Weight:** 1.08 Pounds

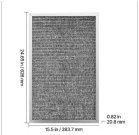
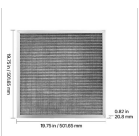

9. WARRANTY AND SUPPORT


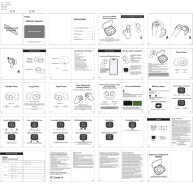

Filter is committed to providing high-quality products and excellent customer service. If you have any problems or suggestions regarding your Filter X30 tattoo machine, please do not hesitate to contact us. We are dedicated to assisting you and will respond to inquiries within 24 hours.

Welcome to the Filter family, we are here for you.

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Related Documents - X30

	<p>Filter Dimensions: 24.65 x 15.5 x 0.82 Inches Product Specifications</p> <p>Detailed product specifications for a filter, providing precise dimensions: 24.65 inches (626 mm) height, 15.5 inches (393.7 mm) width, and 0.82 inches (20.8 mm) depth. Essential for compatibility with standard filtration systems.</p>
	<p>Filter Dimensions and Specifications</p> <p>Provides detailed dimensions for a filter, including width, height, and depth, in both imperial (inches) and metric (millimeters) units. Includes a textual description of the visual representation.</p>
	<p>LED Lighted Medicine Cabinet Installation and Operating Manual</p> <p>This manual provides detailed installation and operating instructions for the LED Lighted Medicine Cabinet. It covers model specifications, safety guidelines, and step-by-step procedures for surface and embedded mounting, along with operational features like lighting, defogging, and clock settings.</p>

	<p>GUSTARD X30 High Performance Audio DAC User Manual</p> <p>Comprehensive user manual for the GUSTARD X30 High Performance Audio DAC, detailing its features, operation, settings, specifications, and warranty information.</p>
	<p>MINISO Wireless Earbud X30 Product Manual</p> <p>This product manual for the MINISO Wireless Earbud X30 provides comprehensive instructions on how to wear, operate, and maintain the earbuds. It includes detailed specifications, touch control functions, indicator light descriptions, battery status, and important safety guidelines. Learn about pairing, music and call controls, sound modes, and warranty information for the MINISO X30 wireless earphones.</p>
	<p>CubuSynth Dual CS-20 VCF: Dual Stereo Multimode VCF Manual</p> <p>Comprehensive user manual for the CubuSynth Dual CS-20 VCF, a dual stereo multimode voltage-controlled filter (VCF) inspired by the Korg MS-20. Features include self-oscillating resonance, 1V/Oct tracking, and extensive CV modulation capabilities.</p>