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Ink Machines Stingray X2

Ink Machines Stingray X2 Rotary Tattoo Machine

USER MANUAL

1. Introduction

Welcome to the Ink Machines Stingray X2 Rotary Tattoo Machine user manual. This document provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tattoo machine. Please read this manual thoroughly before initial use to ensure optimal performance and longevity of your device.

The Stingray X2 is engineered for precision and reliability, designed to meet the demands of professional tattoo artists for both lining and color packing applications.

2. Safety Instructions

- Always ensure the machine is disconnected from the power supply before cleaning, maintenance, or changing components.
- Use only sterile needles and tubes. Follow all local and national health regulations for tattooing procedures.
- Wear appropriate personal protective equipment (PPE), including gloves, during operation.
- Keep the machine dry and away from liquids. Do not immerse the machine in water or cleaning solutions.
- Store the machine in a clean, dry, and secure location when not in use.
- This device is intended for professional use only.



Figure 4.1: The Stingray X2 Rotary Tattoo Machine, ready for setup.



Figure 4.2: The Stingray X2 machine with a grip and needle installed, illustrating a typical setup configuration.

5. Operating the Stingray X2

The Stingray X2 is versatile, suitable for both precise lining and efficient color packing. Its design allows for consistent performance across various tattooing styles.

- **Power On:** Once all connections are secure, turn on your power supply.
- **Voltage Adjustment:** Start with a lower voltage setting and gradually increase it to find the optimal speed and power for your specific needle configuration and tattooing technique. Recommended voltage ranges can vary based on needle grouping and desired effect.
- **Lining:** For crisp lines, typically use a slightly higher speed and ensure consistent hand movement.
- **Color Packing/Shading:** For smooth color saturation and shading, a slightly lower speed and controlled, even passes are often preferred.
- **Needle Depth:** Continuously monitor and adjust needle depth as needed during the tattooing process.



Figure 5.1: The Stingray X2 is designed for versatility in both lining and color packing.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Stingray X2 machine.

- **Cleaning:** After each use, disconnect the machine from power. Wipe down the exterior surfaces with a suitable disinfectant spray or wipe. Avoid getting liquids into the motor housing.
- **Lubrication:** Periodically apply a small amount of high-quality machine lubricant to moving parts as indicated in the component diagram (Figure 3.1), particularly the cam and piston areas. Do not over-lubricate.
- **Inspection:** Regularly inspect the RCA connection, springs, and other visible parts for wear or damage. Replace worn components as necessary.
- **Storage:** Store the machine in a clean, dry, and dust-free environment.

7. Troubleshooting

This section addresses common issues you might encounter with your Stingray X2 machine.

Problem	Possible Cause	Solution
Machine not starting	Loose power connection, faulty power supply, motor issue.	Check RCA cable connection. Test with a different power supply. If issue persists, contact support.
Inconsistent needle movement	Worn cam, insufficient lubrication, bent needlebar.	Inspect cam and lubricate. Replace needlebar if bent.
Excessive vibration or noise	Loose components, lack of lubrication, motor wear.	Tighten all screws. Apply lubricant. If noise persists, motor may require service.
Machine overheating	Prolonged use at high voltage, motor strain.	Reduce voltage or take breaks. Ensure proper ventilation around the machine.

8. Specifications

Key technical specifications for the Ink Machines Stingray X2 Rotary Tattoo Machine:

- **Model:** Stingray X2
- **Brand:** Ink Machines
- **UPC:** 644287731761
- **ASIN:** B07LD1QRR3
- **GTIN:** 644287731761
- **Application:** Designed for Lining and Color Packing



Figure 8.1: Multiple views of the Stingray X2 machine.

9. Warranty and Support

Ink Machines products are manufactured to high standards. For information regarding warranty coverage, terms, and conditions, please refer to the official Ink Machines website or contact your authorized dealer.

For technical support, spare parts, or service inquiries, please contact Ink Machines customer service through their official channels. Providing your product's model number (Stingray X2) and serial number (if applicable) will help expedite your support request.