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FK IRONS SPK XN CM FRST

FK Irons Spektra Xion Rotary Tattoo Machine

USER MANUAL

Introduction

The FK Irons Spektra Xion is a highly versatile and innovative rotary tattoo machine, designed for professional use. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your Spektra Xion machine.



This image shows the complete FK Irons Spektra Xion rotary tattoo machine, highlighting its pen-style design and ergonomic shape.

The Spektra Xion features a compact and lightweight pen-style design, incorporating a unique ratcheting system for precise give and stroke adjustment. It offers interchangeable stroke lengths (3.7mm to 3.2mm) and a 'one-turn' dial for needle give adjustment, allowing for tailored performance across various tattooing styles. The seamless grip is autoclave-safe and compatible with all needle types. The machine is powered by a specially designed 6W MotorBolt System for optimal torque.

Safety Information

- This product is intended for external use only.
- The Spektra Xion machine is designed for experienced or professional tattoo artists only.
- Always ensure the work area and all equipment are thoroughly sterilized before beginning any tattooing procedure.
- Do not operate the machine above 9.5 volts to ensure optimal performance and longevity.

Setup

Before initial use, ensure all components are clean and sterilized according to professional standards.

- 1. Unpack Components:** Carefully remove the Spektra Xion machine body and grip from its packaging.
- 2. Attach Grip:** Align the seamless grip with the machine body and twist gently until it securely locks into place. The grip features an ergonomic profile and a ratchet system for secure attachment.
- 3. Insert Needle Cartridge:** Select your desired needle cartridge. Insert the cartridge firmly into the machine's front opening until it clicks into place. The Spektra Xion is compatible with all standard needle types.
- 4. Connect Power:** Connect your RCA cable to the MotorBolt system at the rear of the machine and to your power supply.



This image illustrates the FK Irons Spektra Xion machine with its grip detached, showing the main body and the separate grip component, essential for assembly and maintenance.

Operating Instructions

- Power On:** Turn on your power supply and set the desired voltage. The Spektra Xion is designed to operate efficiently at up to 9.5 volts. Exceeding this voltage is not recommended.
- Adjust Stroke Length:** The machine offers interchangeable stroke lengths of 3.7mm and 3.2mm. Refer to the machine's internal mechanism for instructions on how to switch between these lengths.
- Adjust Needle Give:** Use the unique 'one-turn' dial located on the machine to adjust the needle give.

Turning the dial allows you to transition from a soft to a hard hit, providing optimal control for different tattooing techniques. The ratcheting system ensures your chosen setting remains stable during operation.



A detailed view of the Spektra Xion's 'one-turn' dial, which allows for precise adjustment of needle give from soft to hard, and the ratcheting system for stroke length.

Maintenance

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

- **Grip Sterilization:** The seamless grip is autoclave-safe. Always sterilize the grip thoroughly after each use according to standard tattooing hygiene protocols.
- **Machine Body Cleaning:** Wipe down the machine body with a suitable disinfectant wipe after each use. Avoid submerging the machine body in liquids.
- **Lubrication:** Periodically check for any recommended lubrication points as per manufacturer guidelines to ensure smooth operation of internal components.
- **Storage:** Store the machine in a clean, dry environment when not in use.

Troubleshooting

If you encounter issues with your Spektra Xion machine, consider the following:

- **Machine Not Powering On:** Check the power supply connection and ensure the RCA cable is securely attached to both the machine and the power supply. Verify the power supply is functioning correctly.
- **Inconsistent Performance:** Ensure the voltage setting is within the recommended range (up to 9.5 volts). Check that the needle cartridge is properly seated and not damaged.
- **Unusual Noise/Vibration:** This could indicate a loose component or a need for maintenance. Disassemble the grip and inspect for any visible issues. If the problem persists, discontinue use.

For persistent issues or technical support, please contact FK Irons customer service.

Specifications

Model Number	SPK XN CM FRST
Product Dimensions	4.42 x 1.21 x 1.16 inches
Item Weight	3.77 ounces
Stroke Length	Interchangeable 3.7mm to 3.2mm
Motor System	6W MotorBolt System
Operating Voltage	Up to 9.5 volts (recommended maximum)
Grip Compatibility	Autoclave-safe, compatible with all needle types
Manufacturer	FK Irons
UPC	810034256515

Warranty and Support

The FK Irons Spektra Xion machine is manufactured by FK Irons. For detailed warranty information, product registration, or technical assistance, please visit the official FK Irons website or contact their customer support directly.

You can also find more information and products from FK Irons by visiting their official store page [FK IRONS Store](#).

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