

Poolin PEM150101

Poolin PEM150101 15-Needle Embroidery Machine User Manual

Model: PEM150101

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your Poolin PEM150101 15-Needle Embroidery Machine. Please read this manual thoroughly before operating the machine to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The Poolin PEM150101 is a robust multi-needle embroidery machine designed for both personal and commercial applications. It features a 15-needle system for automatic color changes, a large embroidery area, and an intuitive touchscreen interface.

Key Features:

- **15-Needle System:** Enables automatic color changes for complex designs.
- **Large Embroidery Area:** 14x20 inches (350x500mm) for versatile projects.
- **High Speed:** Up to 1200 stitches per minute (SPM).
- **Automatic Functions:** Auto color change and thread trimming.
- **Connectivity:** WiFi for design upload and management.
- **Control Interface:** Institch i5 touchscreen for intuitive operation.
- **Durable Construction:** Full metal body for stability and reduced vibration.

Included Accessories:

The machine comes with a comprehensive kit of accessories to support various embroidery projects.



This image displays the Poolin PEM150101 15-Needle Embroidery Machine along with its comprehensive set of included accessories, such as various hoops, threads, tools, and stabilizers, ready for immediate use.

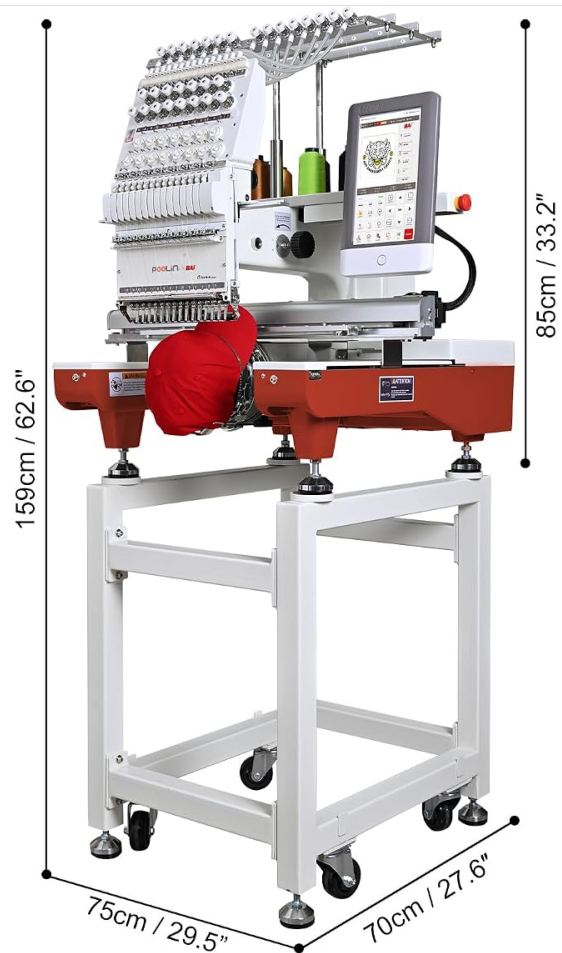
3. SETUP

3.1 Unboxing and Placement

Due to the machine's weight (approximately 260 lbs / 118 kg), it is recommended that at least two or more strong individuals assist with lifting and moving the unit. Measure your doorway and workspace dimensions carefully, as the machine's width may require temporary removal of doors from hinges for transport.

Machine weight
118kg/260lbs

Package weight
186kg/410lbs



The Mirror Parameters

This diagram provides key physical specifications, including the machine's dimensions (27.6"D x 29.5"W x 33.2"H) and weight (260 lbs), as well as the package dimensions and weight (410 lbs), important for transport and placement.

3.2 Assembly

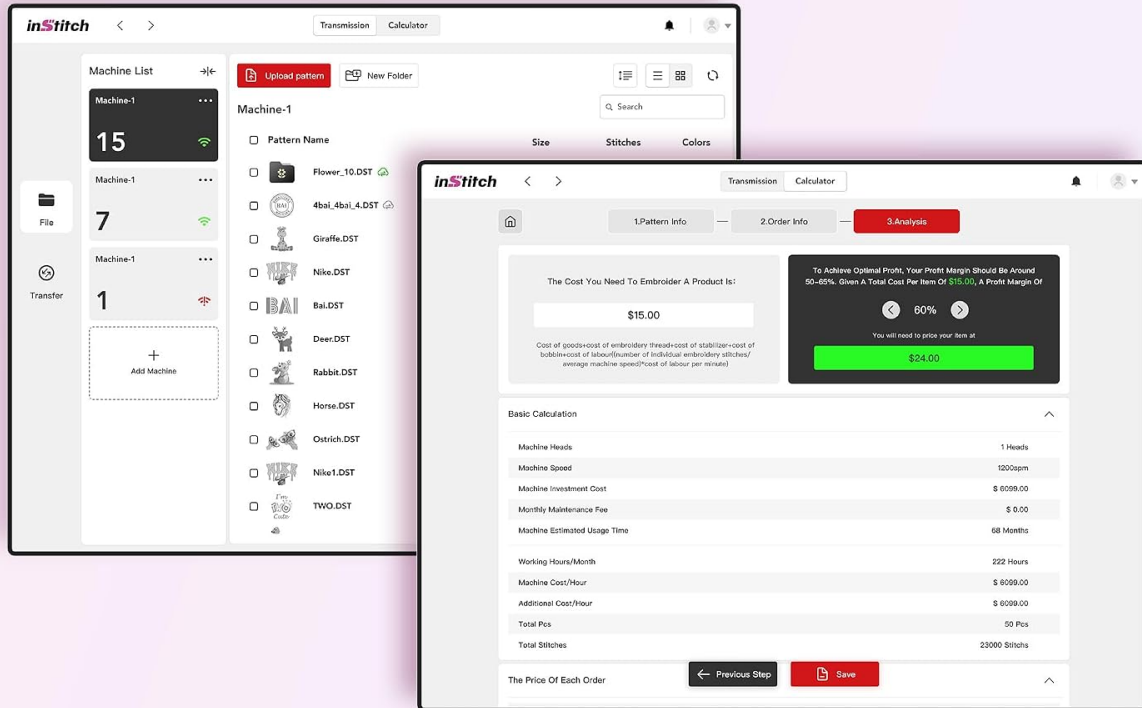
Follow the included assembly guide for attaching the machine to its stand and securing all components. Ensure all connections are firm and stable.

3.3 Power Connection

Connect the machine to a stable power source using the provided power cable. Ensure the voltage matches your local power supply requirements.

3.4 Initial Software Setup and WiFi Connection

Power on the machine. The Institch i5 touchscreen will guide you through the initial setup process. Connect the machine to your local WiFi network to enable wireless design upload and access to the cloud platform.



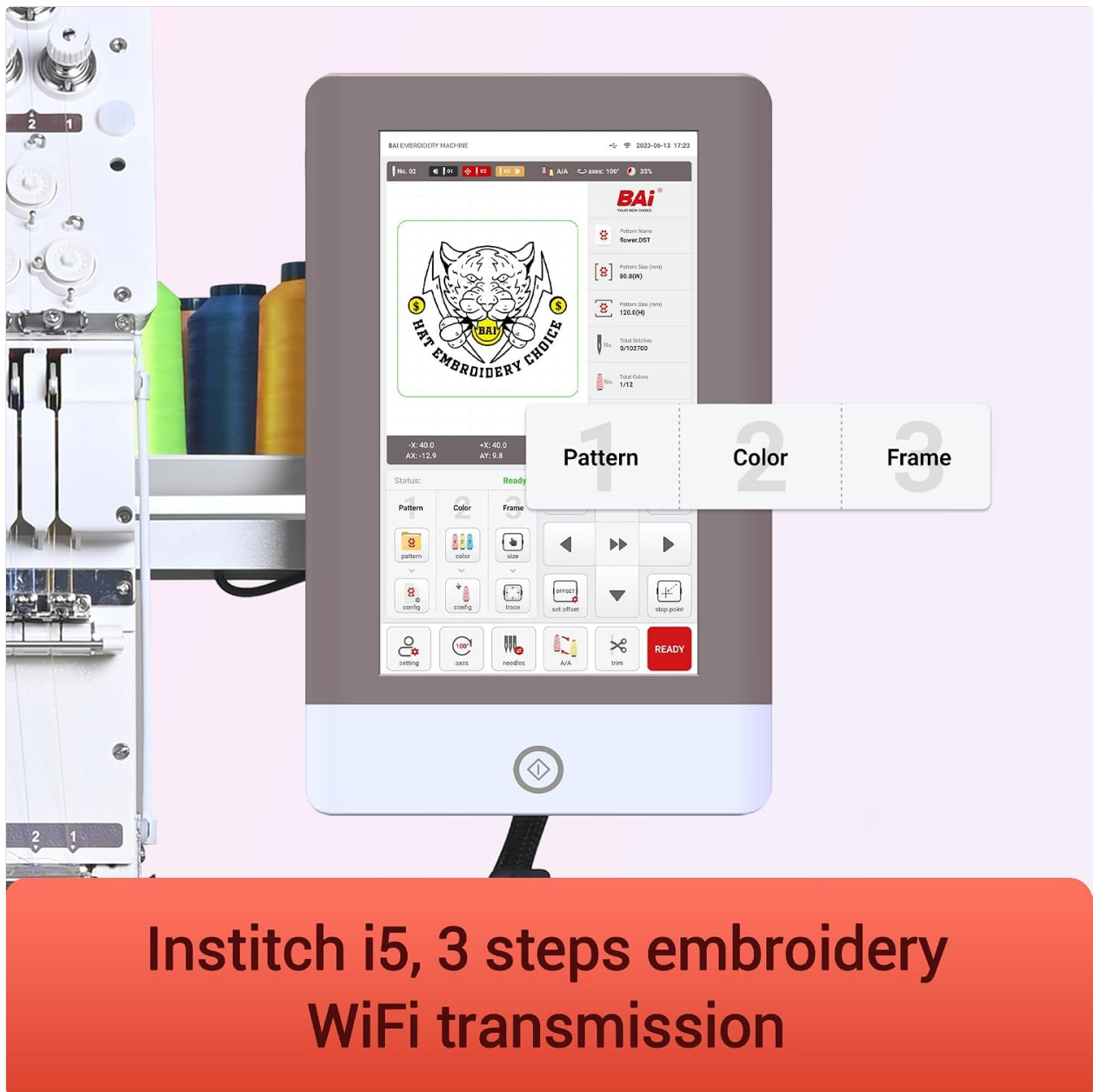
Cloud platform Complimentary use

A view of the machine's cloud platform interface, illustrating features for uploading patterns, managing designs, and calculating project costs. This platform facilitates wireless design transmission and project planning.

4. OPERATING INSTRUCTIONS

4.1 Power On and Interface Navigation

Press the power button to turn on the machine. The Institch i5 touchscreen will display the main menu. Use the touch interface to navigate through options such as pattern selection, color management, and machine settings.



Institch i5, 3 steps embroidery WiFi transmission

The Institch i5 touchscreen interface is shown, displaying options for pattern selection, color management, and frame adjustments. This intuitive control panel simplifies the operation and design process.

4.2 Design Upload

Designs can be uploaded via WiFi using the cloud platform or directly via USB. Ensure your design files are in a compatible format (e.g., DST).

4.3 Hooping and Material Preparation

Select the appropriate hoop for your material and design size. The machine supports various hoop types for items like hats, shirts, hoodies, and pants. Securely hoop your fabric, ensuring it is taut and wrinkle-free.



350x500mm larger Embroidery area

A detailed view of the embroidery area, highlighting the generous 14x20 inch (350x500mm) working space. A vibrant car design is being embroidered on a dark fabric, demonstrating the machine's capability for large-scale projects.

4.4 Threading the Machine

Follow the numbered threading path for each of the 15 needles. Ensure threads are correctly seated in tension discs and guides. The 15-needle system allows for automatic color changes during embroidery.

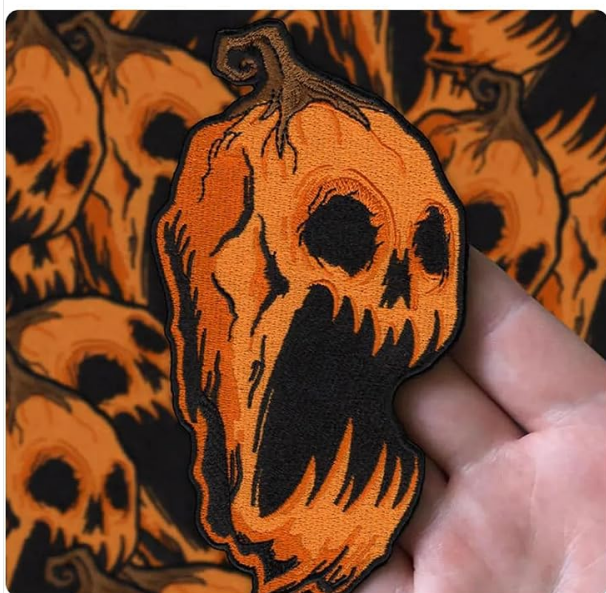


15 needles replacing single needle auto color change

This image provides a close-up of the machine's 15-needle system, illustrating the individual needles and thread paths. This multi-needle configuration allows for automatic color changes and efficient embroidery of complex designs.

4.5 Starting Embroidery

Once the design is loaded, material is hooped, and threads are prepared, confirm all settings on the touchscreen. Press the 'Start' button to begin the embroidery process. The machine will automatically change colors and trim threads as programmed.



A collage of various items featuring embroidered designs, such as Halloween-themed hats, a sweatshirt, an intricate patch, and a decorative tote bag. These examples demonstrate the machine's versatility across different garments and applications.

5. MAINTENANCE

5.1 Regular Cleaning

Regularly clean the machine to remove lint and thread debris. Use a soft brush or vacuum cleaner to clear the bobbin area, needle plate, and tension discs. Power off and unplug the machine before cleaning.

5.2 Lubrication

Refer to the detailed lubrication schedule in the separate maintenance guide (if provided) or consult customer support for specific lubrication points and frequency. Use only recommended embroidery machine oil.

5.3 Needle Replacement

Replace needles regularly, especially if they become bent, dull, or if you experience frequent thread breaks. Ensure you use the correct type and size of needles for your fabric and thread.

5.4 Thread Tension Adjustment

Proper thread tension is crucial for quality embroidery. Adjust upper and bobbin thread tension as needed

based on your fabric and thread type. Test on scrap fabric before starting a project.

6. TROUBLESHOOTING

This section addresses common issues you might encounter during operation. For more complex problems, please contact customer support.

- **Thread Breaks:** Check for proper threading, needle condition, thread quality, and tension settings.
- **Skipped Stitches:** Ensure the needle is inserted correctly, is not bent or dull, and that the fabric is properly hooped.
- **Poor Stitch Quality:** Adjust thread tension, check needle size for fabric, and ensure the bobbin is correctly wound and inserted.
- **Machine Not Responding:** Verify power connection, check for error messages on the touchscreen, and restart the machine if necessary.

7. SPECIFICATIONS

Brand	Poolin
Model Number	PEM150101
Needle Count	15 Needles
Embroidery Area	14 x 20 inches (350 x 500 mm)
Maximum Speed	1200 SPM
Dimensions (Machine)	27.6"D x 29.5"W x 33.2"H
Item Weight	260 pounds (118 kg)
Manufacturer	Richword Supply Chain Management Co., Ltd
Connectivity	WiFi, USB



Metal Body The End of the Plastic Era

Two Poolin embroidery machines are displayed in a workshop setting, showcasing their robust, full metal body construction. This design ensures stability, reduces vibration, and contributes to the machine's durability and precision.

8. SUPPORT AND WARRANTY

8.1 Customer Support

For technical assistance, one-on-one tutorials, or specific inquiries, please utilize the online engineer contact information provided with your machine. You can also find detailed instructional videos on YouTube by searching for "BAi TV".

8.2 User Community

Join the Poolin Embroidery Machine Group on Facebook to connect with other users, share projects, find creative inspiration, and receive assistance from embroidery experts and administrators.

8.3 Return Policy

This product is eligible for a 30-day easy return policy. Please refer to your purchase documentation for full details.

8.4 Protection Plans

Extended protection plans (3-year and 4-year options) are available for purchase separately to provide additional coverage beyond the standard warranty. Refer to your retailer for details on available plans.