PEKOKO LBX

PEKOKO LBX Industrial Inkjet Label Printer User Manual

Model: LBX

1. INTRODUCTION

Thank you for choosing the PEKOKO LBX Industrial Inkjet Label Printer. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

1.1 Package Contents

- PEKOKO LBX Industrial Inkjet Label Printer
- Ink Cartridge
- USB Cable
- Power Adapter
- Mounting Bracket (for conveyor belt integration)
- User Manual (this document)

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the printer:

- Do not expose the printer to water or excessive humidity.
- Use only original PEKOKO ink cartridges.
- Keep the printhead clean and free from obstructions.
- Ensure proper ventilation during operation.
- Disconnect power before performing any maintenance.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

The PEKOKO LBX features an embedded intelligent operating system, a 4.3-inch color touch screen, and a quad-core CPU for smooth operation. It supports various printing functions including text, Excel data, BMP images, USB printing, batch coding, and variable data printing.
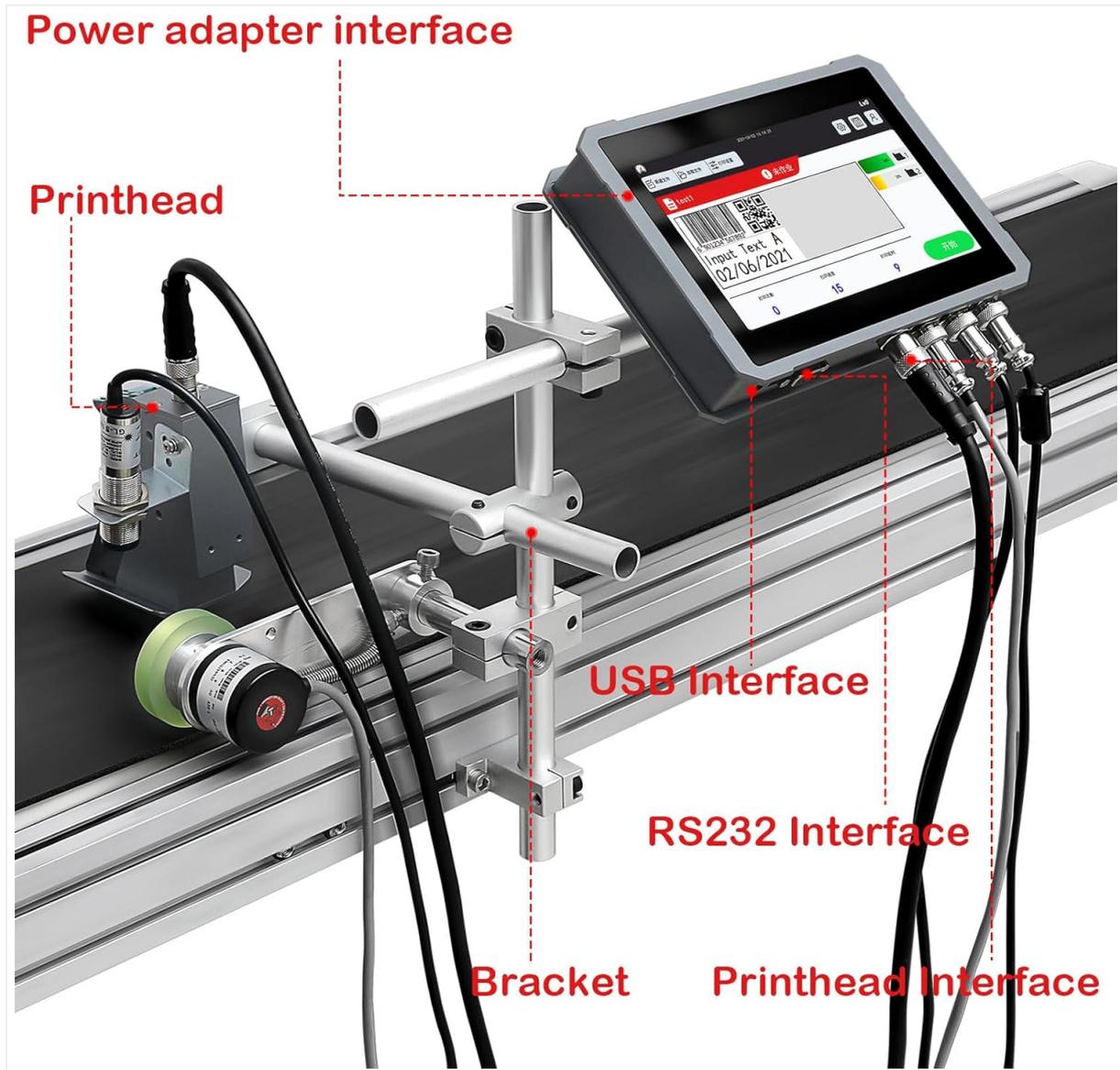
3.1 Printer Components

Image 3.1: Overview of the PEKOKO LBX printer components, including the power adapter interface, printhead, USB interface, RS232 interface, and mounting bracket.

- **Power Adapter Interface:** Connects the printer to its power source.
- **Printhead:** The component responsible for applying ink to the printing surface.
- **USB Interface:** For connecting USB devices, such as a flash drive for data transfer.
- **RS232 Interface:** For serial communication with other devices (customizable).
- **Bracket:** Used for mounting the printer, often on a conveyor belt system.

3.2 Key Features

- **Variable Data Printing:** Supports printing variable data from a USB flash disk, including text, QR codes, barcodes, and serial numbers.
- **4.3-inch Smart Touch LCD:** Color screen with 600dpi high resolution for easy operation and clear display.
- **Quad-core CPU:** Ensures smooth system performance.
- **Printing Content Multiplex:** Supports solid fonts, bitmap fonts, and importing Chinese and English characters, numbers, dates, QR codes, barcodes, and 1-8 variable serial numbers.
- **Large Capacity Storage:** 8GB RAM, capable of storing up to 10,000,000 data entries. Allows file and data editing directly on the machine without a PC.

4. SETUP

4.1 Initial Power-Up

1. Connect the power adapter to the printer's power adapter interface.
2. Plug the power adapter into a suitable electrical outlet.
3. Press the power button to turn on the printer. The 4.3-inch touch screen will illuminate.

4.2 Installing the Ink Cartridge

Ensure the printer is powered off before installing or replacing the ink cartridge.

1. Open the ink cartridge compartment cover.
2. Carefully insert the ink cartridge into its slot, ensuring it clicks into place.
3. Close the compartment cover.

4.3 Connecting to a Conveyor Belt (Optional)

For automated printing, the PEKOKO LBX can be integrated with a conveyor belt system using the provided mounting bracket.

1. Attach the mounting bracket securely to your conveyor belt system.
2. Mount the printer onto the bracket, ensuring it is stable and aligned with the printing surface.
3. Adjust the printhead height and position as needed for optimal printing.

5. OPERATION

5.1 Basic Printing Functions

1

PrintVariable Data

Database functionSupport VariabletextVariable QR Code BarcodeandSerial Number

2

4.3"SmartTouchLCD

Corte Quad Core CPU,The system runs smoothly,touch more comfortable and easy to operation

Image 5.1: The printer's interface displaying options for variable data, including text, QR codes, barcodes, and serial numbers.
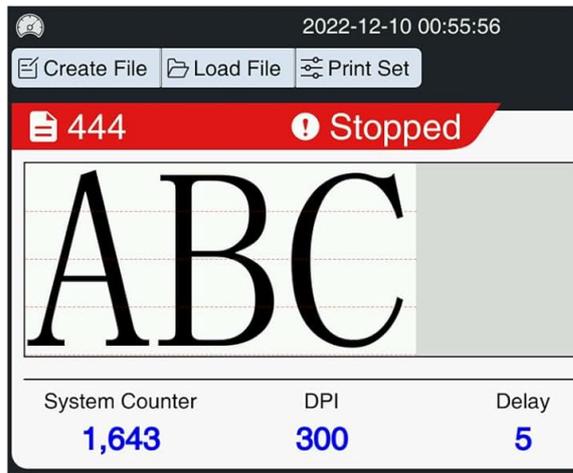
1. From the main screen, select "Create File" or "Load File" to manage your print jobs.

2. Use the touch screen to input text, numbers, dates, or import data from a USB flash drive.

3. Adjust print settings such as DPI (e.g., 300 DPI, 600 DPI) and delay as required.

4. Select "Print Set" to confirm your settings.

5. Initiate printing by pressing the designated print button or activating the sensor on a conveyor system.

5.2 Printing Variable Data and QR Codes

The printer supports dynamic and static QR codes, barcodes, and variable serial numbers, which can be imported from a USB flash disk.

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Video 5.2: Demonstration of printing dynamic or static QR codes using the PEKOKO LBX printer. This video shows the process and the clear, scannable output.

2022-12-10 00:55:56

Create File Load File Print Set

444 ⚠ Stopped

ABC

System Counter	DPI	Delay
1,643	300	5

3

Printing content multiplex

Printing content multiplex
Support Solid Font,Bitmap Font,
Import Chinese and English,Num-
ber,Date,QR Code,Barcode.And
1-8 vriable serial number.Adjust

4

Large capacity Storage

8GB RAM,Supply10,000.000
data,Edit the file and data on
Machine any time without
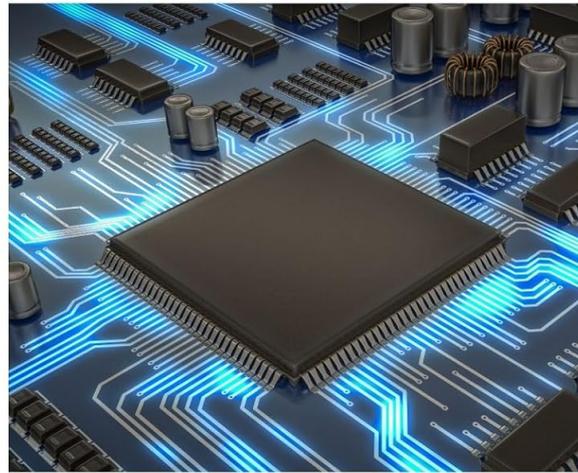conecting PC.

Image 5.2: The printer's interface showing options for printing content multiplex, including various fonts, numbers, dates, QR codes, and barcodes.

1. Navigate to the variable data or QR code printing section on the touch screen.
2. Import your variable data file (e.g., Excel) via USB.
3. Select the desired data fields for printing.
4. Preview the print job and adjust as necessary.
5. Execute the print command.

5.3 Batch Printing

The PEKOKO LBX is designed for efficient batch printing, ideal for production lines.

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Video 5.3: Demonstration of the P6 Inkjet Coding Machine (similar to LBX) performing batch printing with a 42ml black ink cartridge. This video illustrates the machine's capability for continuous printing on multiple items.

1. Set up the printer with the mounting bracket on a conveyor belt or use the hand-press method for individual items.
2. Load the items to be printed.
3. Start the printing process. The printer will automatically apply codes to each item as it passes.

5.4 Printing on Various Materials

The PEKOKO LBX is versatile and can print on a wide range of materials, including wood, food packaging, PET bottles, cement bags, PVC pipes, eggs, ceramic, plastic bottles, cloth bags, metal, and stone.

Printing Cost

A	MFG:2022.09.14	MFG:2022.09.14 EXP:2022.9.15
800000PCS	**120000PCS**	**60000PCS**

50000PCS	**30000PCS**

Image 5.4: Examples of materials suitable for printing with the PEKOKO LBX, such as packing cartons, medicine bottles, wood, food packaging, PET bottles, cement bags, PVC pipes, eggs, ceramic, and plastic bottles.

- **Cloth Bag Printing:** The printer can apply waterproof prints to cloth bags.
- **Wood Printing:** Easily print dates or other information on wooden surfaces.
- **Plastic Printing:** Ideal for printing QR codes or batch numbers on plastic items like bottles.
- **Metal Printing:** Capable of printing serial numbers or codes on metal surfaces.
- **Glass Printing:** Print clear labels on glass bottles.
- **Stone Printing:** Apply durable prints to stone surfaces.

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Video 5.4: A comprehensive demonstration of the Handheld Inkjet Printer (similar to LBX) printing on various materials including cloth bags, wood, plastic, metal, glass, and stone, showcasing its versatility and waterproof capabilities.

6. MAINTENANCE

6.1 Cleaning the Printhead

Regular cleaning of the printhead ensures optimal print quality and extends the life of your printer.

1. Power off the printer and remove the ink cartridge.
2. Gently wipe the printhead surface with a lint-free cloth dampened with printhead cleaning solution (not included).

3. Allow the printhead to dry completely before reinserting the ink cartridge and powering on the printer.

6.2 Ink Cartridge Replacement

Replace the ink cartridge when the ink level is low or print quality deteriorates.

1. Power off the printer.
2. Open the ink cartridge compartment.
3. Remove the empty cartridge.
4. Insert a new original PEKOKO ink cartridge, ensuring it is securely seated.
5. Close the compartment cover and power on the printer.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Power cable disconnected; Power adapter faulty.	Check power connections; Try a different outlet; Contact support if adapter is faulty.
Poor Print Quality	Low ink; Clogged printhead; Incorrect print settings.	Replace ink cartridge; Clean printhead (refer to Section 6.1); Adjust DPI or print delay.
Printer Not Responding	System error; Loose connections.	Restart the printer; Check all cable connections.
USB Data Transfer Failure	Faulty USB drive; Incorrect file format.	Try a different USB drive; Ensure files are in supported formats (e.g., BMP, Excel).

8. SPECIFICATIONS

Feature	Detail
Model	LBX
Printing Technology	Inkjet
Max Print Resolution	600 dpi (color and black & white)
Screen	4.3-inch Color Touch Screen
Processor	Quad-core CPU
Storage	8GB RAM (supports 10,000,000 data entries)
Connectivity	USB, Network port (customizable)
Print Media	Labels, various materials (wood, plastic, metal, glass, etc.)
Max Media Size	12.7mm (print height)
Included Components	Ink Cartridge, USB Cable
Special Features	Touch Screen, High Speed, Quick Drying, Solvent Ink Compatible

9. WARRANTY AND SUPPORT

PEKOKO products are designed for reliability and performance. For warranty information and technical support, please contact PEKOKO customer service.

9.1 Contacting Support

If you encounter any issues or have questions regarding your PEKOKO LBX printer, please visit the official PEKOKO store on Amazon or use the "Ask a question" feature on the product page.
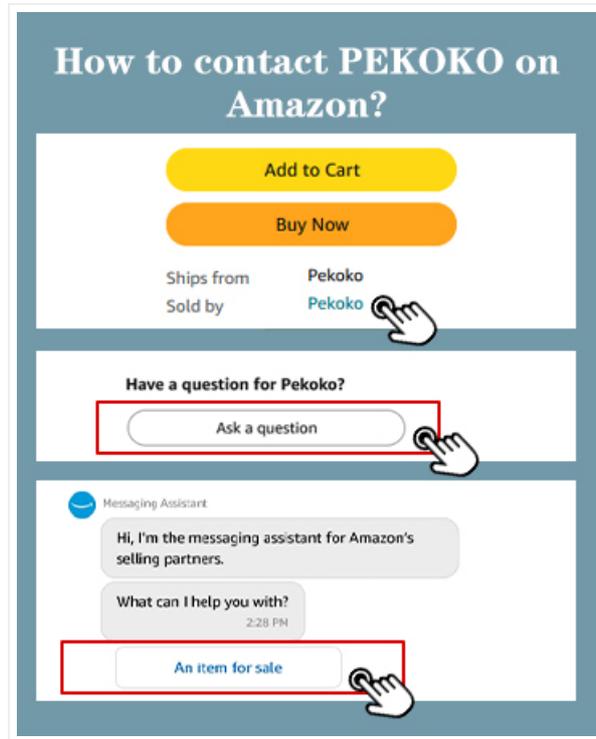

Image 9.1: Visual guide on how to contact PEKOKO support through Amazon, including steps to find the seller and ask a question.

You can also visit the PEKOKO Brand Store for more information and product offerings.