LP-V1
Paper Void Filling Machine
User Manual

Hangzhou Bingjia Technology Co., Ltd.

Please contact: info@lockedair.com or call +86 0571 86169196 for service

1. User instructions

Thank you for using the LockedPaper Void Filling Machine. This manual is written in an easy-to-understand manner, allowing the operator to quickly and easily become familiar with the location of the machine components, the operation of the machine, and the basic principles of troubleshooting and fault correction.

Tip: The operation of different models of machines is slightly different, please pay attention to the tips in the main text of the manual. Only those who have read and understood the chapters such as "Safety", "Product Introduction" and "Product Operation" can operate the machine;

Only service technicians employed by LockedPaper or its dealers are allowed to perform service and repairs on this equipment;

Operator responsibilities include:
• Operate machinery
• Carry out regular maintenance (see Section 5)
NOTE: Only service technicians employed by LockedPaper or a LockedPaper dealer are allowed to service this machine.

2. Safety

2.1. Safety instructions manual

The power supply used by the machine must be consistent with the parameters on the machine nameplate. Misconnection is strictly prohibited. To prevent damage to the machine, please only use the power cord provided with the product.
• Please ensure that the power supply is reliably grounded
• Safety devices must not be turned off or removed
• Warning markings must not be removed or covered (see Machine Warnings)
• Keep work area clean and accessible
• Before moving the machine, unplug the power cord and collect any loose wires together
• Be careful when using tools such as knives or scissors to avoid injuring your hands
Make sure:
• No damage to cables
• Work areas should be well lit
• Work area is well ventilated
Safety specification design: The mechanical structure design complies with CE safety specification requirements. All dangerous parts cannot be touched by hand.

2.2. Machine warning

When the machine is working, it is strictly prohibited to touch any moving parts; Pay attention to the following tips when the machine is working and within 5 minutes after it stops working;

Lightning Tip: Indicates that some machine parts inside the equipment are not electrically insulated. Notice! Risk of electric shock!

Anti-pinch Tip: Indicates that there are drive components inside the unit. Caution! Do not touch!

2.3. Improper use

The following applications or operations are inappropriate for the machine and are considered improper use:
• Reference to other documents not prepared by LockedPaper
• Use outdoors or in wet areas
• Used in areas where explosion accidents may occur
• Using excess water to wash or clean the machine •
Stand on the machine
• Place objects on or on top of the machine
• Move the machine while it is running or still connected to AC power

2.4. Storage

• Never place or store the machine in a damp or watery place
• Before using the machine again after long-term storage, it must be inspected by a trained service technician
• The machine should be stored in an environment with a temperature range of -25~+55℃ (-13~131℉) and a relative humidity less than 90%RH.

⚠ If the machine is brought from a colder area to a warmer area, condensation may form on the machine (inside and outside), which may damage the machine and injure the operator if the power is turned on immediately. Before turning on the power, let the machine return to room temperature and wait for the condensed water to evaporate.

2.5. Transporation

• The machine should not experience severe vibration or impact during transportation;
• The machine must not be exposed to the sun or rain, and should be stored within the required temperature and humidity range.

3. Disclaimer

The manufacturer and its authorized dealers are not responsible for any accident or damage caused by violation of the warnings or instructions contained in the description of this machine or this manual.
• Improper use or maintenance
• Use in other applications or conditions other than those specified in this manual.
• Use of unauthorized parts
• **Use non-LockedPaper material**
• Repairs or modifications without the manufacturer's permission
• Unauthorized modifications to the machine, such as:
  a. Change the control system
  b. Welding, mechanical processing, etc.
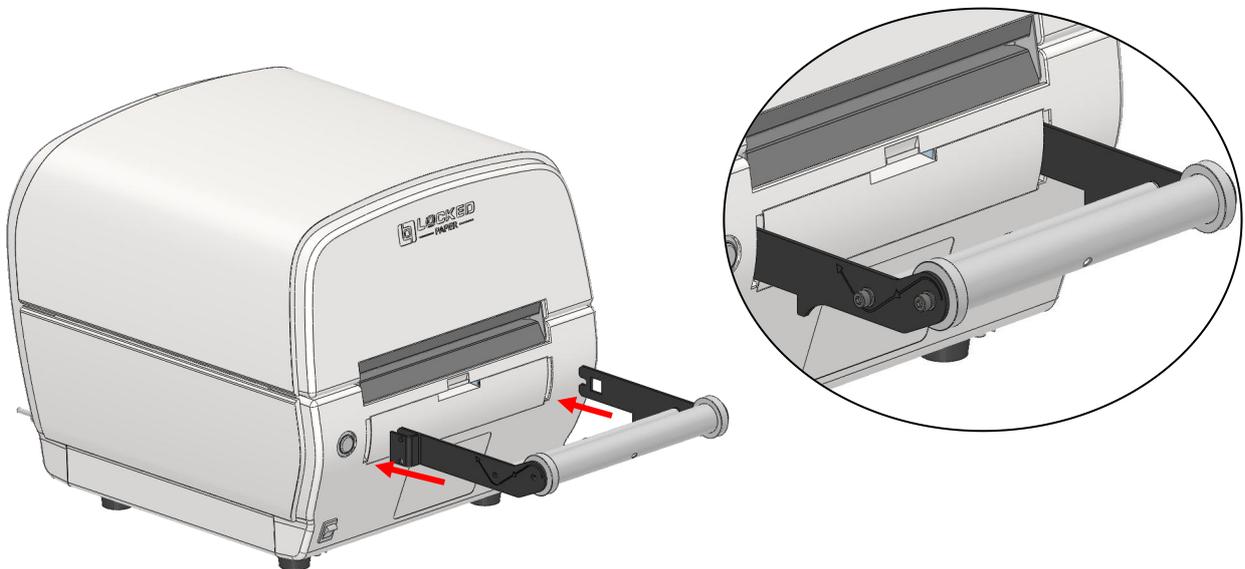 c. Extend the machine or control system

The manufacturer and its authorized dealers are not responsible for:
• Consequential damages caused by machine errors or malfunctions (such as product damage, interruption of company operations, delays, etc.).
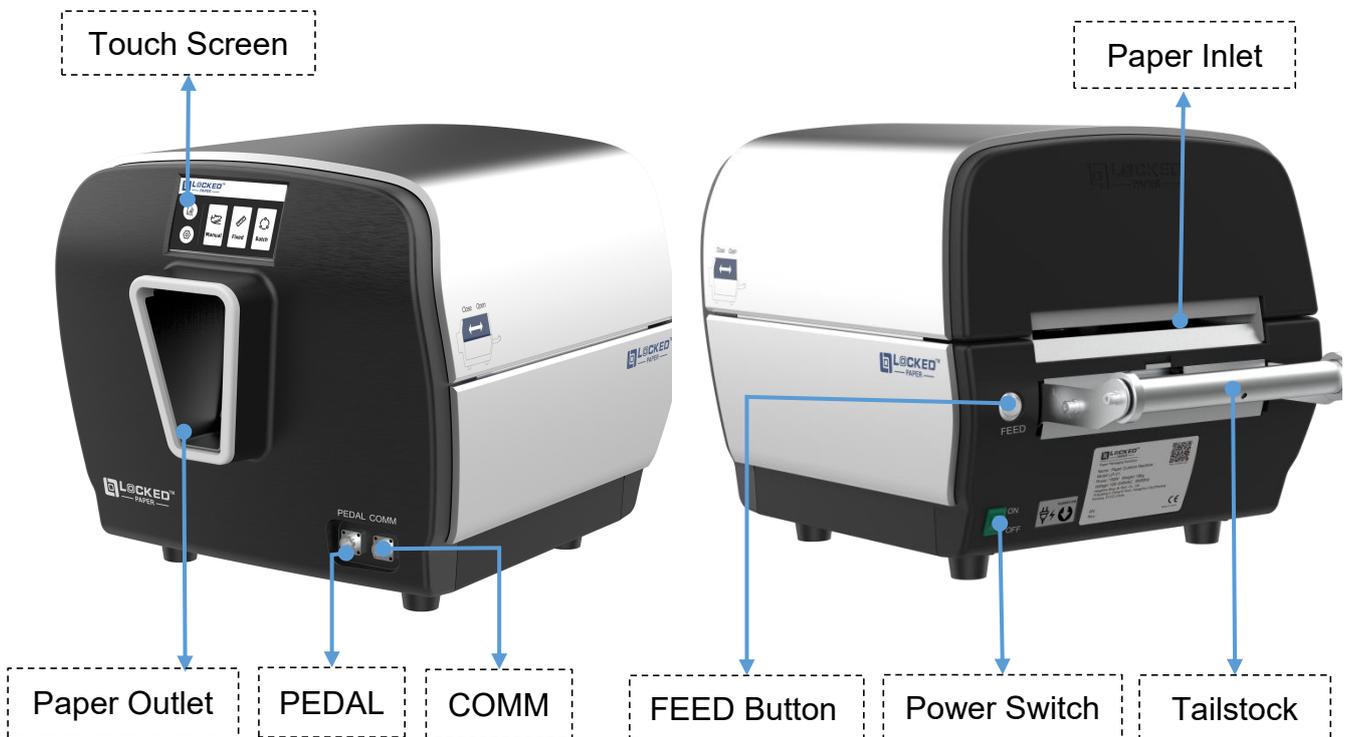
4. Installation Guide

Machine	Tailstock

Tailstock Installation: Install the tailstock in the direction of the arrow.

5. Operation

5.1. Machine Introduction

Touch Screen

Paper Inlet

Paper Outlet | PEDAL | COMM

FEED Button | Power Switch | Tailstock

5.2. Bracket Installation

Please refer to the sketch of the mounting instructions for the machine stand. The operation of the machine is the same depending on the mounting bracket.

Floor Stand	Desktop Fixed Stand	Swivel Arm

5.3. Turn on the power

Step1:Plug in the power supply and fasten the power cord to prevent from falling off.

Step2:Connect the power plug to a grounded, single-phase, three-wire outlet.

Step3:Plug in the pedal switch.

Step4:Turn on the power switch,switch the language.

5.4. Feeding
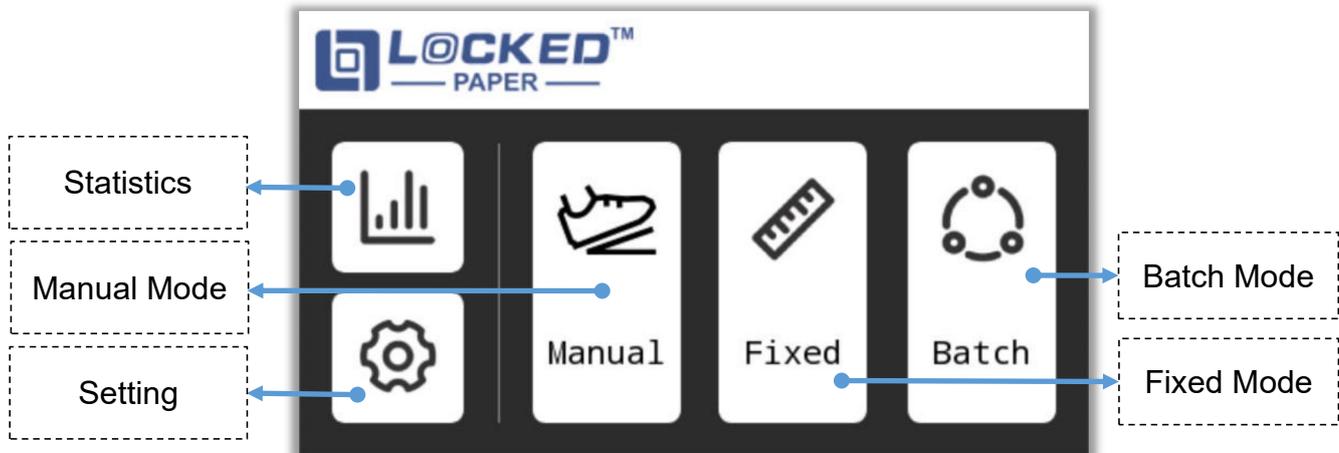
Step1: Place the consumables well.

Note: Please refer to the pictures in section 4.2 for the placement of consumables in different holders.

Step2: Load paper according to the instructions,After successfully paper loading,long press the **FEED** button,If paper feed out from the outlet, that means it is loaded successfully.

5.5. Home Page

After booting is complete, go to the home page.

5.5.1. Icons

: The machine is working	: Back to previous page
: Then machine is stopped	: Return to home page

5.5.2. Parameters

Paper Length: 50~500cm/20~197inch

Pads Quantity: 1~99999Pcs

: Output Speed

(There are three speed options. The third speed is recommended for use..)

5.6. Manual Mode

● **This mode enables users to control the length produced by adjusting the trigger time.**
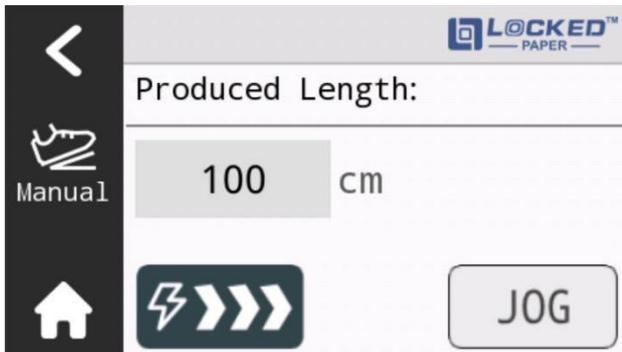

Figure 5.6

1) Tap on the home page to enter, or in the home state and step on the foot pedal, will automatically enter and start to run.

2) Operation:

● Trigger: Press pedal or tap [JOG] to start.

● Length Control: Hold the trigger to extend the output length, when released, the paper is automatically torn off.

● Instant Tearing: The paper is automatically torn off when the paper feed is stopped.

● Minimum Length: Trigger in a short time, the machine will produce a minimum length of paper

● Statistic Record: The number produced is displayed on the interface.

5.7. Fixed Mode

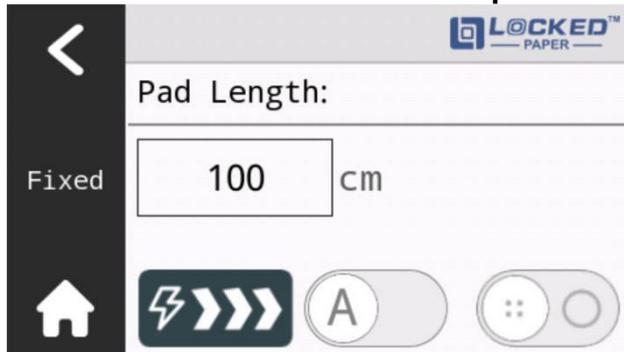- **This mode enables users to produce paper pad with a preset length.**

Figure 5.7

1) Tap ![ruler icon] on the home page to enter the mode.

3) Operation:

●Preset: Press the input field below **Pad Length** to set the paper pad length.

●Trigger: Press pedal or tap ![button] to start.

●Output Mode: Tap ![A button] to switch the mode.

    a. ![A toggle on]: The machine will consistently produce the preset length of paper when triggered, and will automatically produce paper after the previous pad is taking away.

    b. ![A toggle off]: Produce only one piece.

●Stop Producing: When the preset diameter is finished, the machine will stop automatically. Or the machine can be stopped by tap ![button] in the process of producing paper pad.

5.8. Batch Mode

● **This mode enables users to produce the preset paper pad quantity automatically and continuously, and will stop when the preset quantity is finished.**
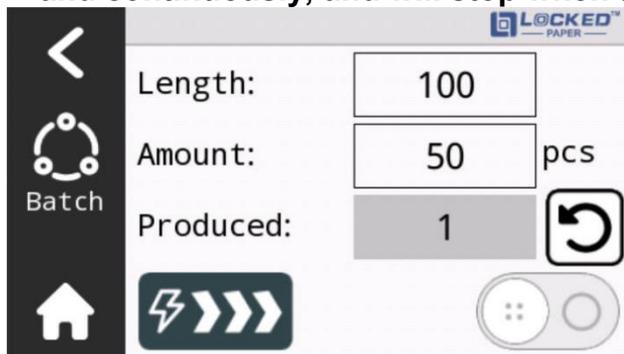

Figure 5.8

1) Tap on the home page to enter the mode.

2) Operation:

●Preset:

  a. Press **Length** to set the required length.

  b. Press **Amount** to set the required quantity.

●Trigger: Press pedal or tap to start, the machine will produce continuously until the number of pieces is reached.

●Data Record: **Produced** shows the number of pads currently being produced.

●Data Clearing: Tap to reset the **Produced** values.

5.9. Statistics Interface

● **This interface enables users to view machine statistics such as total length, power-on time and tear off amount.**

(The data under this interface cannot be modified.)

Figure 5.9

1) Tap ◫ on the home page to enter the interface.

2) If you need to use [Reset] , please contact the after-sales service.

Contact: email:info@lockedair.com or call: +86 0571 86169196

5.10. Setting Interface

●**This interface enables users to access to the Diagnosis, Advanced, Language,Log and About interface.**

Figure 5.10

1) Tap ⚙ on the home page to enter the interface.

5.10.1. Diagnosis Interface

● **This interface enables users to check motor and sensor status. Please operate it with the assistance of professional technical personnel.**
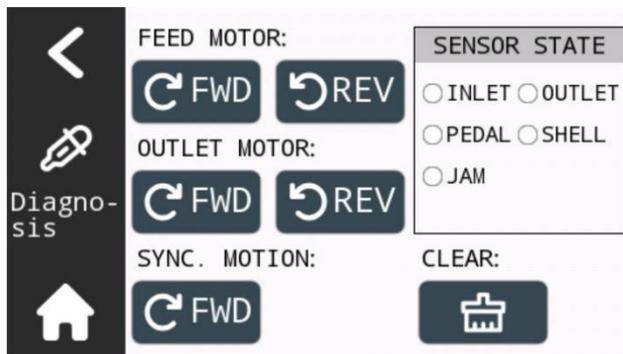

Figure 5.10.1

1) Tap ✎ on the **Setting** interface to enter the interface.

2) **FEED MOTOR:**

- Tap and hold ↻FWD, the feed motor will continue to rotate forward, release to stop.
- Tap and hold ↺REV, the feed motor will continue to reverse, release to stop.

3) **OUTLET MOTOR:**

- Tap and hold ↻FWD, the outlet motor will continue to rotate forward, release to stop.
- Tap and hold ↺REV, the outlet motor will continue to reverse, release to stop.

4) **SYNC. MOTION:**

- Tap and hold ↻FWD, the feed motor and the outlet motor will continue to rotate forward synchronously.

5) **CLEAR:** Tap 🧹 to automatically clear the jams.

6) **SENSOR STATE:** Diagnose to see if the sensor is functioning normally.

● INLET	It is green when there is paper at the inlet, and white when there is no paper.
● OUTLET	It is green when there is paper at the outlet, and white when there is no paper.
● PEDAL	It is green when pedal is triggered, and white when released.
● SHEEL	It is green when top cover is closed, white when open.
● JAM	It is green when the paper jam sensor is triggered, white when not triggered.

5.10.2. Advanced Interface & LOG

● **This interface is the temporary solution interface in case of any faults. Please operate it with the assistance of professional technical personnel.**

After-sales Support Contact: email: info@lockedair.com or call: +86 0571 86169196

5.10.3. Language Interface

● **This interface enables users to switch the language and unit of length .**

Figure 5.10.3

1) Tap ▣ on the **Setting** interface to enter the interface.

2) Tap ▣ switching units.

3) Tap on the flag to switch the language of the corresponding country, after successful switching, the indicator light below the flag will be light up.

5.10.4. About Interface

● **This interface enables users to view machine information and video.**


```
CORE:    V2.0.0D121 HMI: B1D25
DRIVER:  i240722L-o240722L
SN:      2400000
0001-0234-1234
```

Figure 5.10.4

1) Tap ⓘ on the **Setting** interface to enter the interface.

2) Detailed Introduction:

- Contact:: BJT E-mail and Tel.
- Support: YouTube
- Info: Equipment information
- Core: Control board program version
- HMI: Screen program version
- Driver: Driver program version
- SN: Serial number

6. Maintenance

6.1. Preventive Maintenance

Warning! The machine must be switched off and the power supply must be disconnected during the maintenance work.

· Please be aware of the sharp corner, and take care not to hurt yourself.

· Please do not operate the machine with the safety device removed.

Maintenance Period	Items	Details
Monthly	Cleaning	· Wipe off paper dust with a dry or slightly damp cloth · Clean the molding area
	Inspection	· Wear and breakage of components · Various adjustment situations · Operation status of various safety facilities · Are warning labels clear and easy to read?
Annually	Professional maintenance	Maintained by a certified service technician at least once a year.

6.2. Repair and Replace Parts

All maintenance work must be carried out by a certified service technician.

· Only the *Locked Paper* Part is permitted to replace the machine parts.

· The *Locked Paper* Part can be ordered from the distributor.

· Please adhere to the instructions above to prevent any damage to the machine.

The manufacturer or distributor disclaim all responsibility if the instructions are not followed.

7. Troubleshooting

7.1. Common Fault Analysis and Troubleshooting

Fault phenomenon	Fault Analysis	Solutions
The paper material tears during operation.	1. The placement position of the paper is incorrect. 2. The surface of the paper is uneven.	1. Reposition the paper and reload it. 2. Observe the flatness of the paper's surface, tear off any uneven parts, and reload it.
The forming effect of the paper cushion is not good.	The paper is damp.	Replace the consumable material with one that is not damp.

7.2. Alarm Code Interpretations and Resolutions

Alarm	Detail	Solutions
E003: No paper in inlet.	No paper in inlet.	1. Check if there is any paper in inlet. 2. Contact with distributor or after-sales for assistance.
E005: Shell is open.	Top cover is open.	1. Close the top cover and tap "Retry". 2. Contact with distributor or after-sales for assistance.
E006: Paper Jam.	Paper jam sensor triggered.	1. Clear the jam according to the alarm note. 2. Turn off the power and open the cover to clear the jam. 3. Contact with distributor or after-sales for assistance.
E020: Paper Jam.	Paper jam at inlet.	
E030: Paper Jam.	Paper jam at outlet.	

Note: If the message displayed in the screen is not listed in the table, please contact the distributors of *Locked Paper*.

8. Customer service

8.1. Customers Notice

Locked Paper Paper Cushion Machines are manufactured by Hangzhou Bing Jia Tech Co., Ltd., and are fully tested before dispatch.

If you experience any problems during use, please contact us using one of the following methods:

1. Contact with Locked Paper distributor.

2. Send email to customer service: info@lockedair.com

8.2. Technical support

If any problems with the machines, please confirm the following information:

1. Customer details: Company name, Contact number
2. Serial Number "BJTLP-V1_____". The number is shown on the nameplate.
3. Detailed description of problems encountered.