

**Locked Air®**

**LA-E5P**

**Air Cushion Machine**

**User Manual**



Hangzhou Bingjia Technology Co., Ltd.

Hangzhou City, Zhejiang Province

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# 1. User Instructions

Thank you for using the LockedAir Air Cushion Machine. This manual is written in an easy-to-understand manner so that the operator can quickly and easily become familiar with the location of 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;

Operator responsibilities include:

- Operate machinery
- Carry out regular maintenance

**NOTE:** Only service technicians employed by Locked Air or a Locked Air dealer are allowed to service this machine.

## 2. Safety

### 2.1. Safety instructions for use

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!



**High Temperature Alert:** Warns the operator that machine parts may be hot

If you encounter the following situations, please cut off the main power supply of the machine:

- The air cushion film or other foreign objects are rolled into the machine and

the machine cannot operate normally.

- Abnormal sounds are produced inside the machine
- Abnormal heating, machine shell temperature is too high
- Other abnormal situations

### 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 Locked Air
- 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°C (-13~131°F) 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. Transportation

- 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 assumes no responsibility for unsafe conditions, accidents, and damage resulting from disregard of warnings or instructions described in this machine or in this document, such as:

- Improper or unprofessional use or maintenance;
- Use in other applications or conditions other than those specified in this manual;
- Use of unauthorized parts
- Use non-Lockedair consumables
- Repairs or modifications without the manufacturer's permission •

Unauthorized modifications to the machine, such as:

- a. Modify the control system
- b. Welding, machining, 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.).

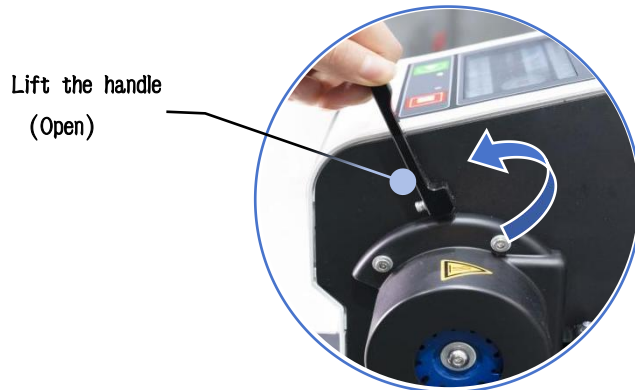
## 4. Power on

- 1) Connect the power plug to a single-phase three-wire socket with grounding protection;
- 2) Turn on the power switch;

## 5. Feeding

Step1: Place the roll film and pay attention to the unfolding direction of the roll film

Step2: Lift the handle

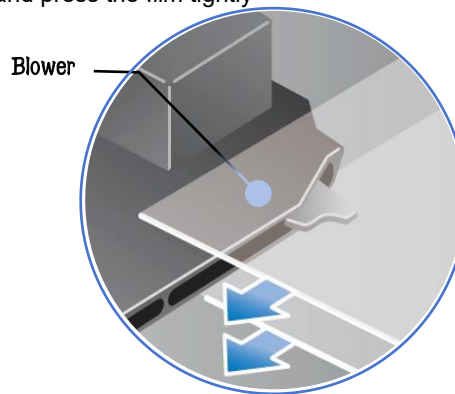


Step2: Wind the film according to the arrow path

Step4: Separate the roll film and wrap the mouthpiece

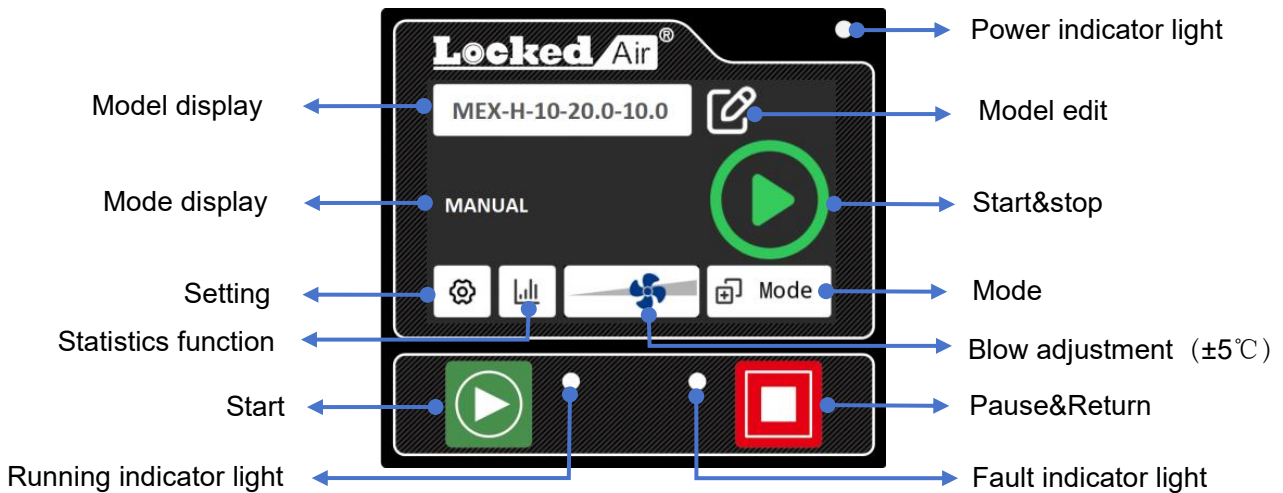
Step5: Then pass between the heating wheel and the rubber wheel

Step6: Close the handle and press the film tightly



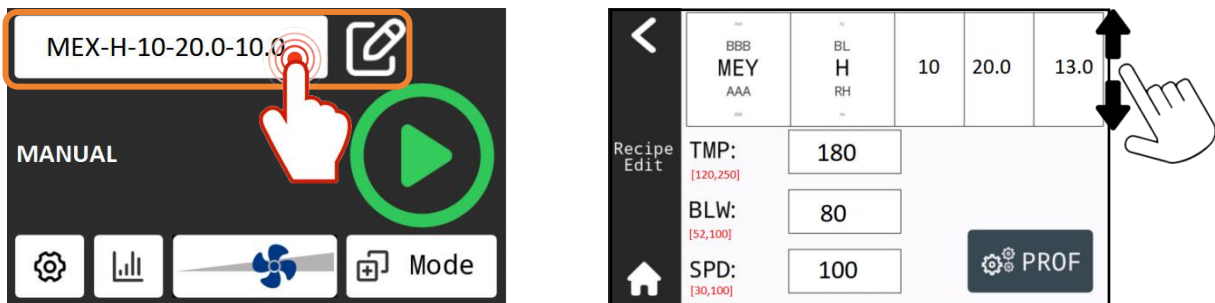
## 6. Operation

### • Control panel



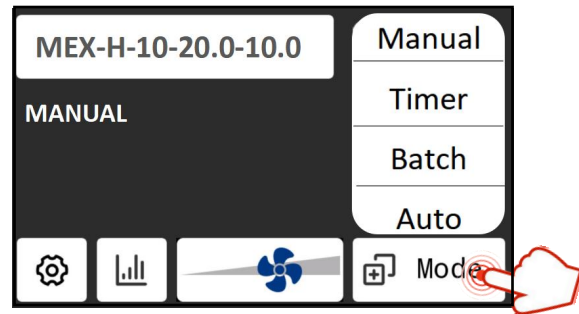
**Note:** Please confirm that the model is consistent with the roll film label model before use. Instructions for use: Prioritize the roll film model and select the corresponding model on the touch screen. After adjusting reasonable parameters, select the appropriate production mode and start operation.


### 6.1. Select specifications & adjust parameters



- 1) Press Enter the specification selection interface, Scroll the part number to select the model corresponding to the roll film label
- 2) TMP、BLW、SPD A set of parameters will be defaulted based on the selected model, and a recommended range will be provided for later adjustment reference.
- 3) Short press or return to home page, press start
- 4) *Observe the saturation and sealing performance of the produced cushion air cushion. If there is any abnormality, refer to [Chapter 11: Analysis and Treatment of Common Faults]*




## 6.2. Mode selection

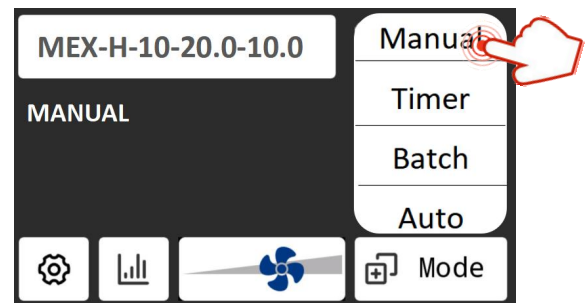


- 1) Press , Four modes pop up;
- 2) Manual, Timer, Batch, Auto (optional) modes respectively;
- 3) Each mode has different operating methods. The specific usage and operating modes are as follows.

### 6.2.1. Producing air bags in Manual mode

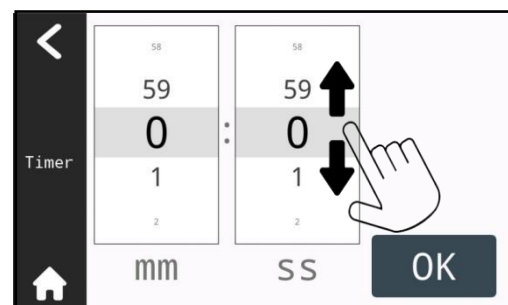
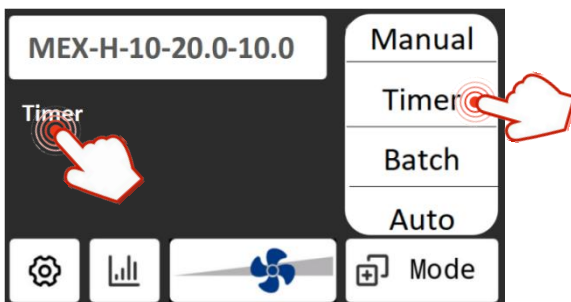
Manual mode does not require any settings, confirm the model and start production.




- 1) Press 
- 2) Choose Manual
- 3) Press  start, start to hear and produce air bag, press  pause



### 6.2.2. Producing air bag in Timer mode

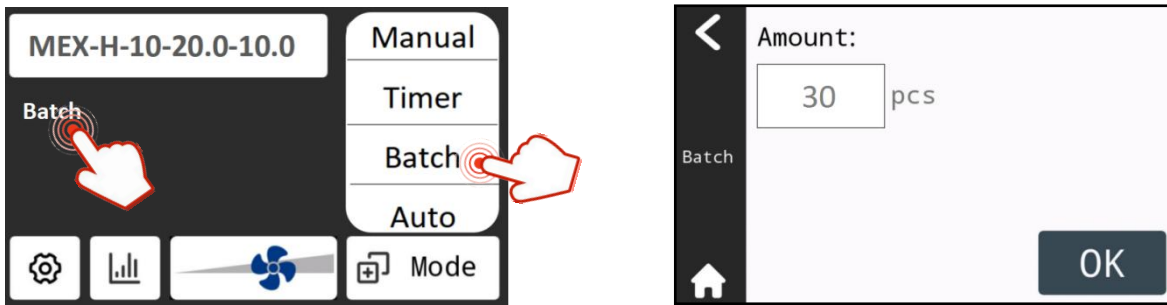
Timer mode can produce air bags according to the preset time






- 1) Press 
- 2) Choose Timer, Preset time, Timer:  :
- 3) Press  start, when the timer expires, production automatically stops. Manually controlled pause click 

### 6.2.3. Producing air bags in Batch mode






Batch mode can produce air bags according to a preset quantity

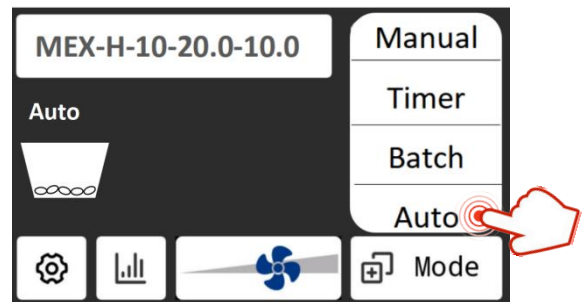


- 1) Press  Mode
- 2) Choose Batch, preset quantity
- 3) Press  Start, when production completes the preset quantity, production will automatically stop.  
Manually controlled pause click 

### 6.2.4. Producing air bags in Auto mode (optional)

Auto mode can automatically control start and stop according to the stacking height of air bags. (This is an optional function, please contact your dealer if necessary)

- 1) press  Mode
- 2) Select Auto
- 3) Click  start ,When the machine is in  state,automatically stops production when the machine is in  state,automatically resume production. Manually controlled pause click 




## 7. Statistics

This interface displays data records of machine operation, including total production length and total operating time (data in this interface cannot be modified)



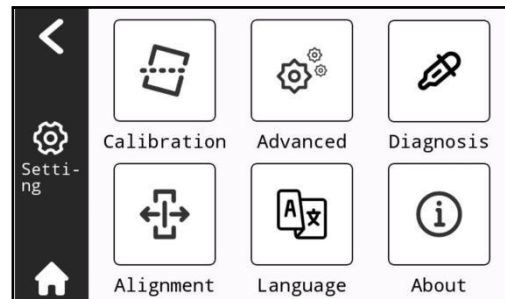
- 1) Press  Enter;

When there is no alarm reminder on the interface and the machine is paused, click  Choose

whether to reset all record values

## 8. Setting

This interface can enter the calibration, advanced, diagnosis, correction, language, and about interfaces



Press Enter, Select the following functions according to your needs.

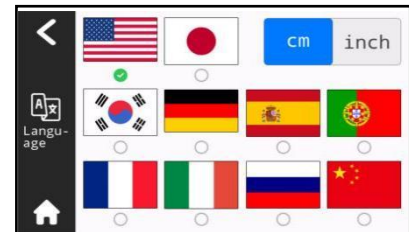
### 8.1. Language interface

- This interface is used to switch languages and units;

Step1: Press enter;

Step2: Press Switch units;

Step3: Click the flag to switch the national language. The indicator light below the flag lights up, indicating that the switch is successful;



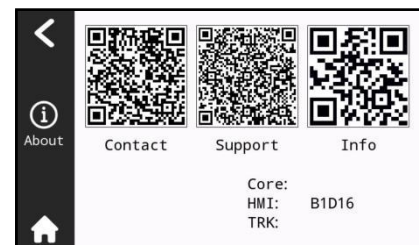
### 8.2. About the interface

- This interface is used to scan the QR code to enter the website to obtain relevant information and videos.;

Step1: Click enter;

Step2: Use your mobile device to scan the QR code to view relevant information:

- **Contact:** Locked Air website
- **Support:** YouTube
- **Info:** Version number and device information
- **Core :** Main control program version
- **HMI:** Screen program version
- **TRK :** Statistical code



### 8.3. Manual correction interface:

- This interface is used to correct the position of the roll film and ensure that the heat sealing line and pre-sealing line of the air bag intersect during the production process.

Step1: Click enter;

Step2: Click / Adjust the position of the roller retaining ring.

Click , The roller retaining ring returns to the initial position



**Note: Do not adjust at will, otherwise it may cause uneven**

sealing of the film or air leakage. If necessary, please operate under the guidance of professionals.

**8.4. Calibration interface:**

- The current interface allows calibration of heating elements and correction sensors

If you need to use it, please contact after-sales service:

**8.5. Diagnostic interface:**

- This interface is used to diagnose the operating status of motors and sensor control components.

**Email:** info@lockedair.com



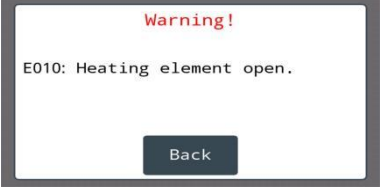
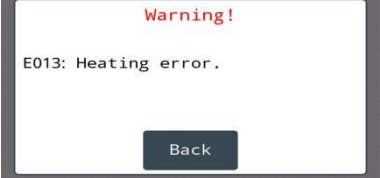
**Call:** +86 0571 86169196

**8.6. Advanced interface:**

- This interface is used for temporary solution processing interface when failure occurs.

**9. Common faults and solutions**

If the machine fails or does not run for any reason, a pop-up window will prompt the specific reason Refer to the following content to troubleshoot: (If the displayed information is not listed below, please contact your locked Air dealer for help)

Alarm	Possible Causes	Recommended solutions(The machine should be powered off during inspection)
	<p>1.The emergency stop switch is enabled</p>	<p>1.Reset emergency stop button</p>
	<p>1. Heating wheel handle raised</p>	<p>1. Close the heating wheel handle and start it again</p>
	<p>1. Heating wheel break</p>	<p>1. Tighten the heating wheel screw</p>
	<p>1. Preheat at low temperature to room temperature;2. The room temperature rises to the motor starting temperature</p>	<p>1.Click BACK to exit the alarm</p>



<p style="text-align: center;"><b>Warning!</b></p> <p>E020: Tacker is offline.</p> <p style="text-align: center;">Back</p>	<p>1. Communication failed (when the correction function is turned on)</p>	<p>1. Click BACK to exit the alarm</p>
<p style="text-align: center;"><b>Warning!</b></p> <p>E021: Calibration Failure.</p> <p style="text-align: center;">Back</p>	<p>1. Calibration failed</p>	<p>1. Click BACK to exit the alarm and recalibrate</p>
<p style="text-align: center;"><b>Warning!</b></p> <p>E024: Out of film.</p> <p style="text-align: center;">Back</p>	<p>1. The paddle is not triggered</p>	<p>1. Check the position of the opening film and reload the material</p>

## 10. Maintenance and care

### 10.1. Preventive maintenance

Warn! During all maintenance and repair work on the equipment, the system must be shut down and the power supply disconnected

- Please be careful of sharp edges and corners of the device to avoid cuts.
- Never operate equipment with safety devices off or removed.

Preventive maintenance time	Maintenance	Content
Monthly	Inspection	<ul style="list-style-type: none"> <li>· Operation status of each component</li> <li>· Are warning labels clear and easy to read?</li> <li>· Wear and breakage of components</li> <li>· Check for accumulation of material</li> </ul>
Yearly	Professional maintenance	Inspected by qualified personnel at least once a year

### 10.2. Repair/Replacement Parts

Repair work may only be performed by qualified service technicians.

- When replacing parts, only parts provided by Locked air are allowed.
- Parts can be ordered from Locked air dealers.
- Failure to strictly follow the above instructions may affect the safety of the equipment. The manufacturer or dealer is not responsible if instructions are not followed.

## 11. Analysis and treatment of common faults

Fault phenomenon	Cause Analysis	Method of exclusion
Air leakage from seal	Heating temperature is too low	Increase temperature setpoint
The seal is thin and easy to tear	Heating temperature is too high	Decrease temperature setpoint
Air cushion film is not inflated enough	Air volume is too small	Increase the air volume setting value
Air cushion film is easy to puncture	Air volume is too big	Decrease the air volume setting value
The sealing position is uneven and the film leaks.	Rolling film deviation	Adjust the roller retaining ring (please contact the dealer)

## **12. Customer service**

### **12.1. Notice to customers: :**

Locked air™ air cushion machine is manufactured by Hangzhou Bingjia Technology Co., Ltd. and is fully tested before shipment. However, if a problem arises while the machine is operating, please contact our customer service department using any of the service phone numbers listed below.

Customer Service and Spare Parts Service:

1. Please call your Locked air customer representative
2. Please contact our customer service by email: [info@lockedair.com](mailto:info@lockedair.com)

### **12.2. Technical Customer Service**

If any unusual problems occur with the device, please confirm the following information:

1. Customer details: Your company name, contact number
2. Serial number of machine "BJTLA-E5P\_\_\_\_\_"
3. Describe the problems encountered in detail.