



Auto Separator User Manual

ET400



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Preface

Thank you for using the Locked air Void Filling Machine. In order to ensure that you use the equipment correctly, be sure to read this manual carefully before operation.

Tips: The operation of different models of machines is slightly different, so please pay attention to the tips in the text of the manual.

Disclaimer

The manufacturer and its authorized distributor are not liable for any accidents or damages if one does not follow the operation steps or ignores the warning or instructions in the manual. The accidents or damages includes:

- Improper use or maintenance
- Use for other applications or conditions that the operator manual doesn't include
- Use of unauthorized parts
- Repair or modification without the permission of the manufacturer
- Unauthorized adjust to the machine such as:
 - a) Alterations to the control system
 - b) Welding and machining etc
 - c) lengthening the machine or the control system

The manufacturer and its authorized distributor are not liable for:

- Indirect damages caused by errors or malfunctions of the machine (e.g. damages to products, disruption or delays of company operation business etc

Safety

This machine has been designed to be compatible and safe for use in the application, conditions and rules stipulated in this instruction manual. Anyone who operates the machine must carefully read this manual and follow the relevant instructions.

Operator

Only anyone who has read and understood the chapters of "Safety" and "Installation and Use of the Machine" could operate the machine. No special training is required.

Operator responsibilities include:

- Operate machine
- Perform regular maintenance (see Section 6)
 - Clean up shredded paper
 - Clean up excess paper dust

Service Technician

Only service technicians employed by Locked Paper or Locked Paper distributors are permitted to repair this machine.

We have separately prepared service manuals for these technicians.

Safety Regulations

The power used for the machine must be consistent with the parameters on the nameplate of the machine. Wrong connection is strictly prohibited. In order to prevent damage to the machine, only the power cord provided with the product can be used.

Please ensure that the power supply is reliably grounded.

When the machine is transported and moved, please pay attention to avoid occurrence of the short-circuit and open-circuit of the internal wiring of the safety switch.

Safety devices must not be turned off or removed.

Do not remove or cover warning signs (see machine warnings).

Keep the work area clean and free from obstacles.

Before moving the machine, unplug it and gather all loose

wires together.

Be careful when using tools such as knives or scissors to avoid injuring your hands.

To ensure:

- No damage to cables
- Work area with good lighting
- Work area is well ventilated

Safety standard design: mechanical structure design meets CE safety standard requirements. All dangerous parts cannot be touched by hand.

Warnings

a. When the machine is working, it is strictly forbidden to touch any rotating parts.

b. In order to ensure the safety during equipment maintenance, the machine will not work after the front and rear covers are opened. And it is strictly forbidden to use the safety switch insert and the maintenance cover separately.

c. Non-professionals are prohibited from opening the machine maintenance cover.

d. Be careful not to touch the transmission wheel.



e. During equipment maintenance, it is strictly forbidden to put fingers into the paper feed channel to avoid hands injuries.

f. When the machine is working normally, if there are motor abnormalities, paper jams or other faults, the system will detect the sensors or motor signals, and stop to alarm.

g. The machine will stop when the cover is opened: After the upper cover is opened, all motor power will be automatically cut off to ensure the safety of the operator.

Improper Use

The following applications or operations are inappropriate for the machine and are regarded as improper use:

• Use materials from other suppliers, not from Locked Paper

- Use outdoors or in wet areas
- Use in areas where explosion accidents may occur
- Use excess water to wash or clean the machine
- Stand on the machine
- Place objects on the machine
- Move the machine while it is running or it is still connected to AC power

Store

- Storerooms must be dry
- Do not place or store the machine in a wet or watery place



• Before using the machine again after long-term storage, it must be checked by a trained service technician

If the machine is brought from a cold area to a warm area, temporary condensation (internal and external) may occur on the machine. At this time, if it is turned on immediately, the machine would be damaged and the operator would be injured. So please make the machine recover to room temperature first and wait for the condensation to evaporate.

Transportation

- There should not be severe vibration and impact during the transportation of the machine.
- The machine should not be exposed to the sun and rain. It should be stored within the required temperature and humidity range.

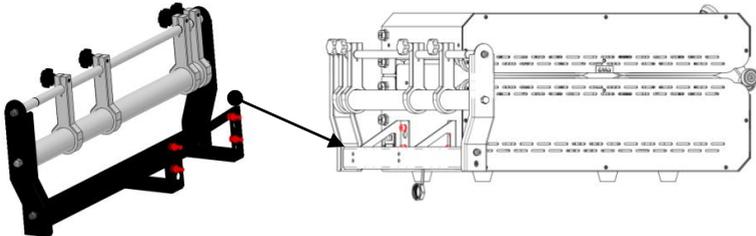
1. Introduction

1.1. Structure

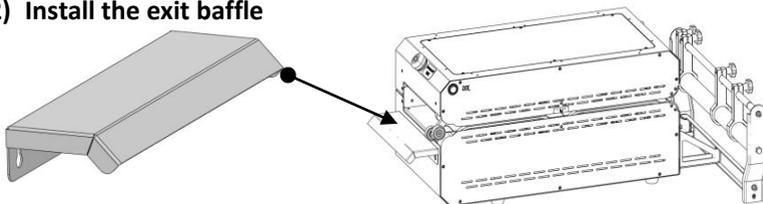


2. Installation Instruction

1) Install the feeding support component



2) Install the exit baffle



2. 1. Start the machine

- 1) Insert the touch screen
- 2) Insert the pedal switch
- 3) The emergency switch button is locked
- 4) All protective covers are closed
- 5) Then, do the following:
 - ① Plug in power
 - ② Turn on the switch

2. 2. Feeding

- 1) Load the consumable material through the guide rod



- 2) Long press the Feed button



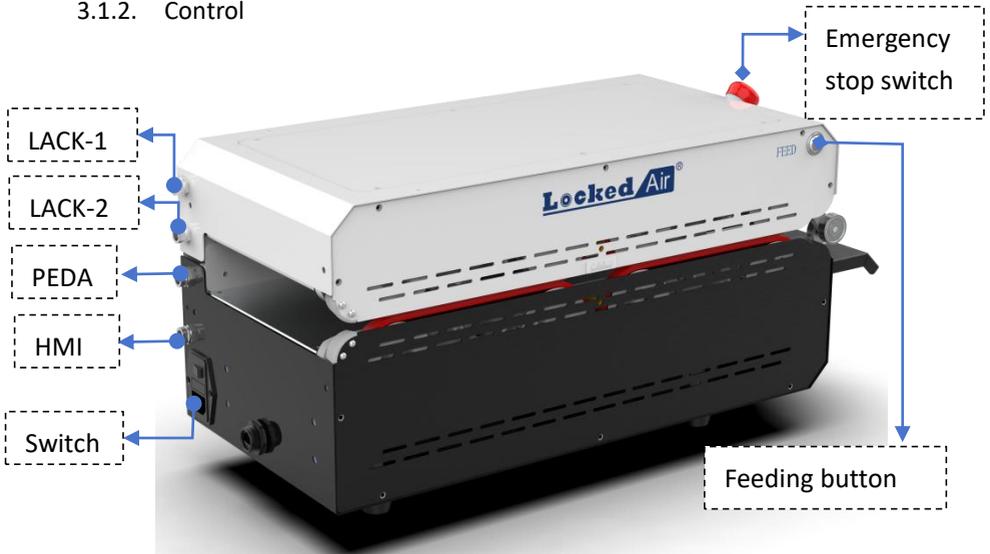
3. Detailed operation

3.1. Control

3.1.1. Touch screen homepage



3.1.2. Control



3. 2. Manual Mode

- 1)  : Click the homepage icon to enter Manual mode.
- 2) The start and stop can be controlled using either the foot pedal switch or button 
- 3) When the foot pedal is pressed and immediately released, the device will automatically run to the next tear-off point and perform tearing.
- 4) Continuously stepping on the foot pedal, the device will run to the maximum number of sections, and then automatically tear.
- 5) The production quantity will be displayed in real-time on the current screen.
- 6) Different types of consumables have different maximum production quantity limits. For example, for consumables with a length of 33mm, the maximum production is 6 sections; for consumables with a length of 14mm, the maximum production is 14 sections.



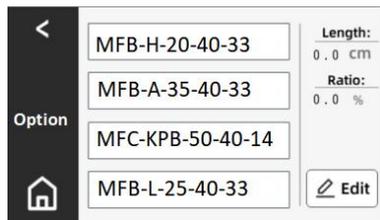
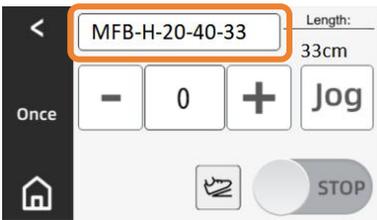
3. 3. Once Mode

This mode allows you to set the output quantity and control the output way, making it easy to operate and use.

- 1)  : Click the homepage icon to enter Once mode ;



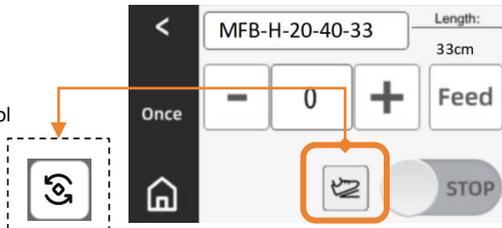
- 2) **【 Consumable model 】** : Select the corresponding model according to the consumables used. Ensure the consumables correspond to the model and avoid output errors;
【 Select model 】 : Select the currently used consumable model. If you need to modify the model, contact after-sales service;
- 3) **【 consecutive segments 】** : Set the number of consecutive segments according to the required length ;



- 4) In the Mode interface, when the machine is stopped, you can select the output way :

A  Pedal switch control

B  Automatic switch control



 :The foot pedal mode: step on it to produce a section ;

 :In automatic mode, click  , the output way is to take one section and put out the next

section,  can pause discharging ;

- 5)  : When the machine is running and the material is abnormally broken, stuck, or not torn, you can handle it by long pressing or clicking; if there is an alarm pop-up window, follow the prompts;
- 6) The start and stop can be controlled using either the foot pedal switch or button



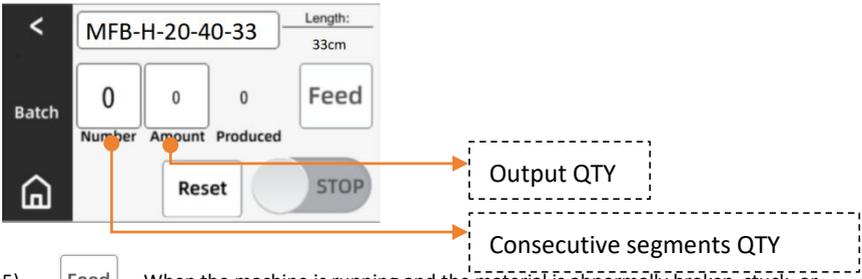
3. 4. Batch Mode

This mode allows you to set the number of continuous segments and output quantity, and achieve automatic continuous output until the set quantity is reached.

- 1)  :Click the homepage icon to enter Batch mode;



- 2) **【Consumable model】** : Select the corresponding model according to the consumables used to ensure that the consumables correspond to the model and avoid discharging errors;
 - 【Select model】** : Select the currently used consumable model. If you need to modify the model, contact after-sales service;
- 3) **【Number of consecutive segments】** : Set the number of consecutive segments according to the required length;
- 4) **【Quantity of output】** : Set the quantity of output materials (1~99999) according to the required number of segments;



- 5) **Feed** : When the machine is running and the material is abnormally broken, stuck, or not torn, you can handle it by long pressing or clicking; if there is an alarm pop-up window, follow the prompts;
- 6) The start and stop can be controlled using either the foot pedal switch or button 
- 7) In this mode, once started, the machine will automatically start producing the set number of consecutive segments. The Produced Icon will track the number of outputs. After the production is completed, the machine will automatically stop;
- 8) When there is no alarm reminder on the interface and the machine is paused, **Reset** can choose whether to clear the recorded number of Produced. If you select Confirm, the count will start from 0 when it is started again;



3. 5. Preset Mode

This mode allows you to preset the number of consecutive segments. When using it, you only need to click on the corresponding number to generate the required number of segments to meet various packaging requirements.

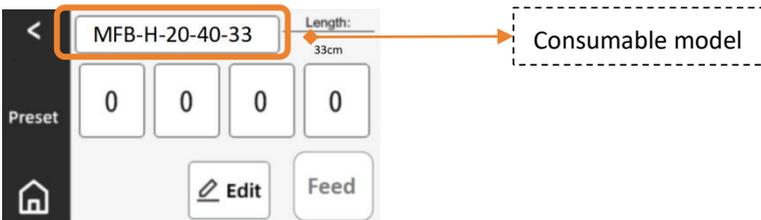
- 1)  : Click the homepage icon to enter Preset mode ;

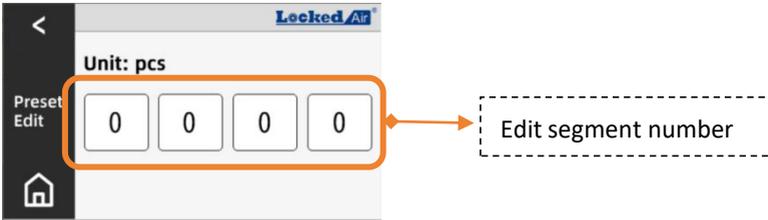


- 2) **【 Consumable model 】** : Select the corresponding model according to the consumables used to ensure that the consumables correspond to the model and avoid discharging errors;

【Select model】 : Select the currently used consumable model. If you need to modify the model, contact after-sales service;

- 3) **【 Number of consecutive segments 】** : Click  to set the number of consecutive segments;



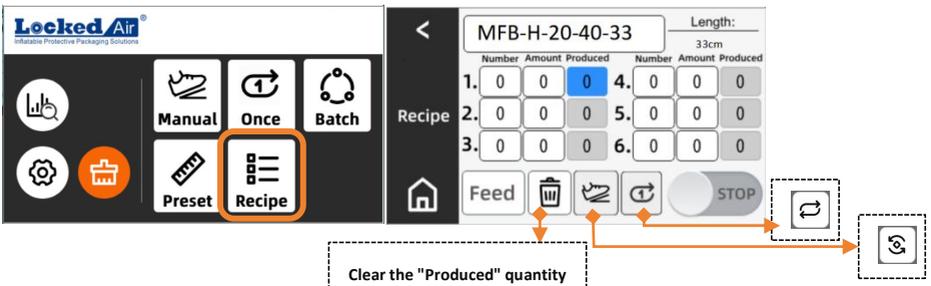


- 4) Return to the Preset mode interface, click on any parameter, and the machine will discharge materials according to the preset number of segments;
- 5) Feed : When the machine is running and the material is abnormally broken, stuck, or not torn, you can handle it by long pressing or clicking; if there is an alarm pop-up window, follow the prompts;
- 6) The current mode can only be started or stopped using screen button STOP .

3. 6. Recipe Mode

The mode allows for presetting 6 sets of consumables with different lengths and quantities

- 1) ☰
Recipe : Click the homepage icon to enter Recipe mode;



- 1) **【Consumable model】** : Select the corresponding model according to the consumables used to ensure that the consumables correspond to the model and avoid discharging errors;
- 2) Number: Preset the consecutive number of sections, controlled by the length of the model.

Amount: Preset the production quantity (range: 0~999).

- 3) When the machine is in a stopped state, you can choose the production mode:

   : Trigger once to produce one section;

  : After one trigger, take one section to produce the next section, and stop after completing 6 sets;

  : After one trigger, take one section to produce the next section, continue production after completing 6 sets.

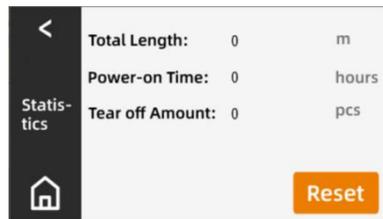
- 4) The start and stop can be controlled using either the foot pedal switch or button



3.7. Statistics interface

This interface displays the machine's data records, including total length, total running time, and total quantity.

- 1)  : Click the homepage icon to enter the statistics interface;



- 2) **Total Length** will display the data of the total length of machine operation and discharging

Power-on Time will display the data of the total running time

Tear off Amount will display the data of total sections discharging from the machine.

3.8. Set interface

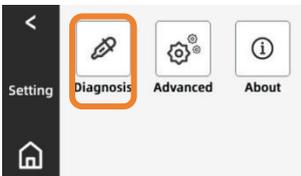
Setting functions: Diagnosis, Advanced Settings, and About Information

- 1)  : Click the homepage icon to enter the Set interface;



3.9. Diagnosis interface

- 1)  : Click the icon in the Set interface to enter the diagnosis interface;



- 2) This interface is used to diagnose the operating status of the motor and synchronous belt. Please operate under the guidance of professionals;
- 3) Operation diagnosis of Inter Motor : Long press  the paper feed motor will continue to rotate forward and then release it to stop ; Long press  the paper feed motor will continue to rotate reverse and then release it to stop;
- 4) Operation diagnosis of Outer Motor : Long press  the outlet motor to continue to rotate forward; long press  the outlet motor to continue to rotate reverse, and release to stop;
- 5) Operation diagnosis of Synchronizing Motion , , long press  the paper feed motor and exit motor rotate forward synchronously, long press  the paper feed motor and exit motor will rotate reverse synchronously, and release to stop;
- 6) Sensor Stater indicator light :

When the corresponding sensor is triggered, it will remain green, and when it is not triggered, it will remain white;

| | | | |
|---------|-------------------------------|----------|-------------------------|
| ● Mid | Intermediate sensor detection | ● Outlet | Exit sensor detection |
| ● Up | Top sensor detection | ● Down | Bottom sensor detection |
| ● Pedal | Pedal anomaly detection | | |

3. 10. Advanced Interface

This interface is the temporary solution interface in case of any faults. Please operate it with the assistance of professional technical personnel. If you need to use it, please contact the after-sales service;

3. 11. About Interface

You can enter the website to view relevant information and videos;

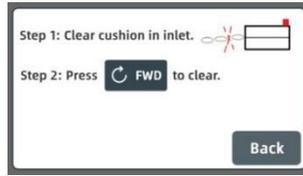


- 1) Click  on the **Setting** interface to enter the **About** interface.
- 2) You can use your mobile device to scan the code to enter the **Locked Air**[®] website to view relevant information;

Contact: **Locked Air**[®] Official Website

Support: YouTube

3. 12. Cleaning



: Click the icon to enter cleaning mode; follow the on-screen instructions for operation;

3. 13. Advanced Settings Functionality

Please refer to the "Advanced Settings Guide - ET400" for information on advanced settings and supplementary information regarding the device.

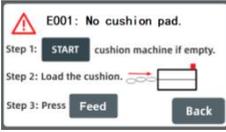
Note: This device has advanced settings functionality, requiring a password for access to specific functions. To ensure the normal operation and safety of the device, please note the following before proceeding with advanced settings:

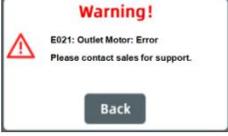
- 1) **Access Permissions:** Only authorized personnel can access and modify advanced settings. Please ensure that only individuals with appropriate permissions can obtain the password;
- 2) **Function Explanation:** Advanced settings functionality includes but is not limited to modifying default parameters of consumables, adding consumable models, and setting parameters. Please proceed with settings cautiously according to actual requirements;
- 3) **Cautious Operation:** Modifying advanced settings may affect the performance and functionality of the device. Please proceed with operations only after clearly understanding the meaning and impact of each setting option.

4. Trouble shooting

If the machine breaks down or does not work for any reason, a pop-up window will

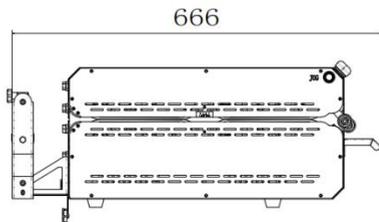
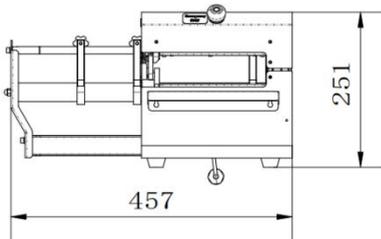
be displayed to remind you of the specific reason;

| Pop-up window | Content | Processing method |
|---|---|---|
|  | E001: No cushion pad. | Follow the on-screen prompts to address the alert |
|  | E002: Cushion inside. | Follow the on-screen prompts to address the alert |
|  | E003: Tear off FAILED. | Follow the on-screen prompts to address the alert |
|  | E004: Cushion machine ER-ROR. Please check cushion machine. | Follow the on-screen prompts to address the alert |
|  | E005: No sensor signals, please check the sensors on the bin. | Check if the sensor aviation plug cable of the collection basket is loose. |
|  | E006: Cushion machine offline. Please check ETH cable. | Check if the network cable is abnormal or loose, unplug and plug it back in, then restart |
|  | E010: Inlet Motor: Jam. | <ol style="list-style-type: none"> 1. Please clear cushion inside machine. 2. Reload the cushion. |

| | | |
|---|----------------------------------|---|
|  | <p>E011: Inlet Motor: Error.</p> | <p>Please contact sales for support.</p> |
|  | <p>E020: Outlet Motor: Jam.</p> | <ol style="list-style-type: none"> 1. Please clear cushion inside machine. 2. Reload the cushion. |
|  | <p>E021: Outlet Motor: Error</p> | <p>Please contact sales for support.</p> |

Note: If there are any alarms or after-sales issues that cannot be resolved promptly, please contact the dealer and after-sales personnel for assistance in a timely manner.

5. Specification



6. Maintenance

Please be sure to unplug the power plug.

- Please be careful of the sharp edges and corners of the machine to avoid injury.
- Never operate the machine when safety devices is off or removed.

| Preventive Maintenance Cycle | Maintenance | Contents |
|------------------------------|--------------------------|---|
| Monthly | Inspections | <ul style="list-style-type: none"> • Operating condition of componentst • Whether the warning stickers are clear and legible • Wear and tear of components • Check for material buildup |
| Yearly | Professional Maintenance | Inspected by qualified personnel |

- The machine must be inspected by a qualified person at least once a year

The following points should be checked:

- Various adjustments
- The operation of various safety facilities
- If the warning label clear and legible
- Abrasion and tear of components
- Clean the molding area

6. 1. Repair/Replacement Parts

Repair should only be performed by a qualified service technician.

- When replacing parts, only **Locked Air**[®] supplied parts can be used.
- Parts can be ordered by **Locked Air**[®]'s distributors.

Failure to strictly follow the above instructions may affect the safety of the machine. The manufacturer disclaims no responsibility if the above instructions are not followed.

