



User manual

Membrane Cutter

LFST0008

ANTITECK LIFE SCIENCES LIMITED

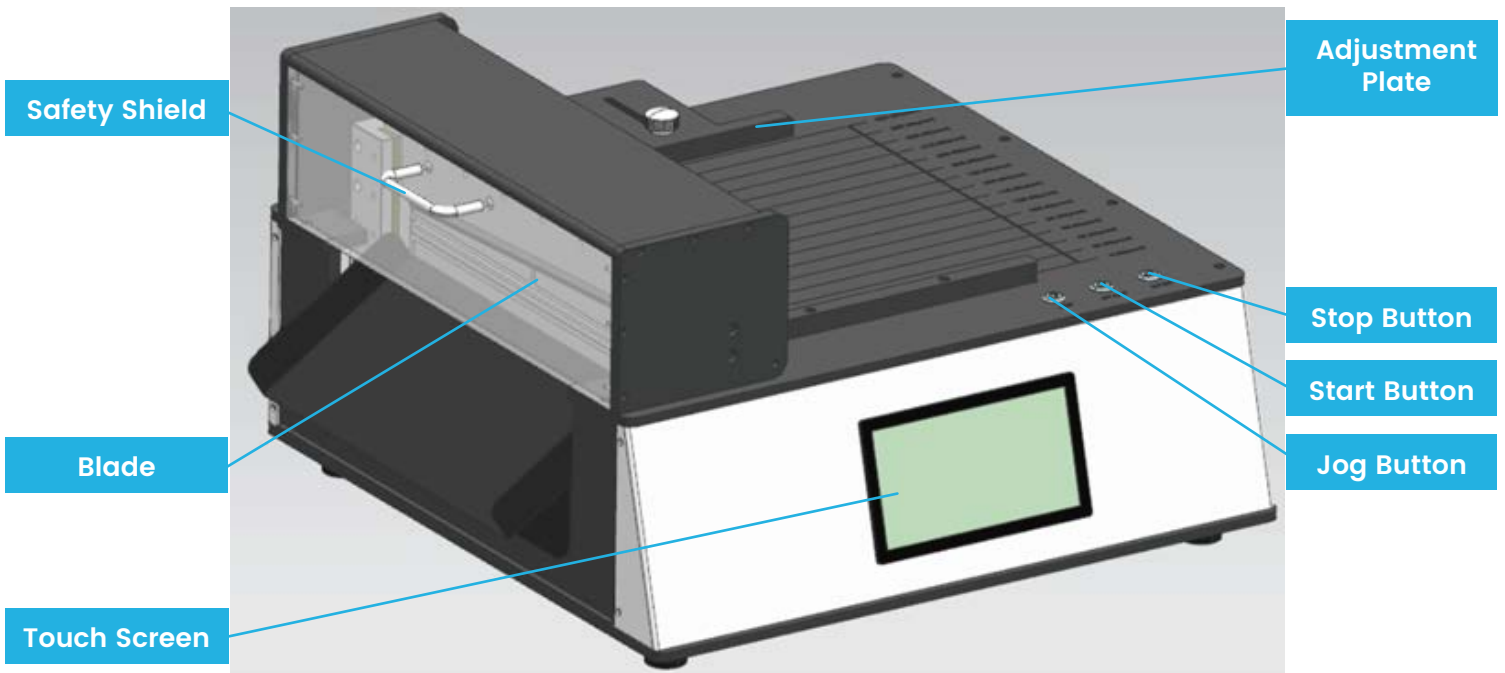
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Equipment Appearance



Power: 0.65kw

Weight: 53kg

Voltage: AC220~240V

Dimension: 610*525*320mm

Frequency: 50-60Hz



1 Equipment Operation

Startup Screen



AntiTeck Life Sciences Limited

<https://www.antiteck.com>

Lateral Flow Strip Cutter

Model: LFST0008

Chinese

English

Enter System

1. **Chinese Button:** Chinese will be selected as the language after clicking.
2. **English Button:** English will be selected as the language after clicking.
3. **To Initiate Operation:** Click anywhere to move to the next page.

Automatic Screen

07/05/24 10:53:16

<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; background-color: #4CAF50; color: white; display: flex; align-items: center; justify-content: center; margin: 5px;">Start</div>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; background-color: #F44336; color: white; display: flex; align-items: center; justify-content: center; margin: 5px;">Stop</div>	Capacity	<input style="width: 80%; border: 1px solid #ccc;" type="text" value="0"/>	pcs/min
		Total Yield	<input style="width: 80%; border: 1px solid #ccc;" type="text" value="0"/>	pcs Clear
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; background-color: #2196F3; color: white; display: flex; align-items: center; justify-content: center; margin: 5px;">Jog</div>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; background-color: #FFEB3B; color: black; display: flex; align-items: center; justify-content: center; margin: 5px;">Reset</div>	Set Yield	<input style="width: 80%; border: 1px solid #ccc;" type="text" value="0"/>	pcs Clear
		Current Yield	<input style="width: 80%; border: 1px solid #ccc;" type="text" value="0"/>	pcs

Home

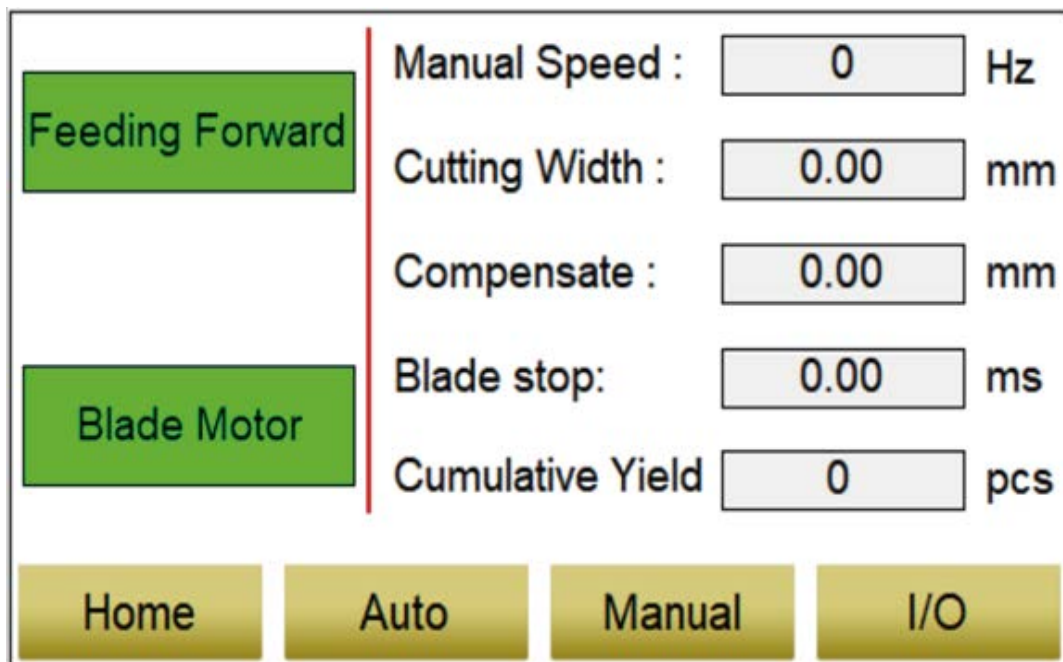
Auto

Manual

I/O

1. **Start Button:** The device will run automatically after pressing the button.
2. **Stop Button:** The device will stop after pressing the button.
3. **Jog Button:** To feed the material and cut in strip once after pressing the button.
4. **Reset Button:** The cutter rotates once to return to the highest point after pressing the button.
5. **Capacity:** Count in minutes.
6. **Total Yield:** Real time counting, when the value is 999999, the device will reset automatically to zero.
7. **Set Yield:** Set target output value, input value range 0-999999.
8. **Current Yield:** Real time counting, the equipment stops automatically when the value equals the set output.
9. **Clear Button:** To reset the number to zero.
10. **Home、Auto、Manual、I/O Buttons:** Press the button to change to the corresponding screen.

Manual screen



1. **Feeding Forward:** To start the feeding motor by pressing the button, to stop the feeding motor by releasing the button.
2. **Blade Motor:** To start the blade motor by pressing the button, to stop the blade motor by releasing the button.
3. **Manual Speed:** Feeding forward and jog function belong to manual speed control; Input value range: 0-100000.

4. Cutting Width: Enter a value of 0-50mm.

5. Compensate: Enter a value of +/-10mm.

6. Blade Stop: Input value 0-999ms; Function: When adjusting the machine, set parameters based on the tightness of the upper and lower sliders of the cutting blade, the tighter the slider, the larger the input value, the looser the slider, and the smaller the input value, which is determined based on the actual situation of the machine adjustment.

7. Cumulative Yield: The maximum displayed value is 900 million. When it reaches this value, it will automatically reset to zero and then count again.

IO Monitor

X0	<input type="checkbox"/>	"Start" button	Y0	<input type="checkbox"/>	Blade motor
X1	<input type="checkbox"/>	"Jog" button	Y1	<input type="checkbox"/>	
X2	<input type="checkbox"/>	"Stop" button	Y2	<input type="checkbox"/>	
X3	<input type="checkbox"/>	Guard sensor	Y3	<input type="checkbox"/>	
X4	<input type="checkbox"/>	Feeding motor sensor	Y4	<input type="checkbox"/>	
X5	<input type="checkbox"/>	Feeding motor drive alarm	Y5	<input type="checkbox"/>	
X6	<input type="checkbox"/>	Blade motor sensor			
X7	<input type="checkbox"/>				

Home
Auto
Manual
I/O

1. X: represents the number corresponding to the PLC input point.

2. Y: represents the number corresponding to the PLC output point.

3. Indicator light: When the light is on, it indicates that the IO signal corresponding to the PLC is ON, otherwise it is OFF.

2 Common Breakdown and Solutions

2.1 Solve the corresponding working position according to the alarm information prompt.

3 Safety Precautions

To avoid the risk of collision and injury, it is strictly prohibited to put your body into the equipment during operation.

Stay away from chain gears to prevent hand jamming.



Danger

1. To prevent accidents caused by electric shock, do not open the electrical equipment box when the power is turned on.

2. To prevent electric shock, do not operate with the grounding wire removed.



Warning

1. To prevent injury, do not operate with removing safety shields, safety devices, etc.

2. To prevent injury, please be careful to prevent hair, clothing, etc. from being caught up in the conveyor chain. Additionally, please do not wear gloves.

3. To prevent injury, please cut off the power during maintenance (refueling, debugging, daily maintenance).

4. To prevent injury, please use a residual current circuit breaker on the power cord.

5. To prevent injury, do not reach into the opening between the safety shield and the feeder, as well as the opening of the handling part.

4 Repairing and Maintenance

1. Daily maintenance items

- * Keep the equipment clean and promptly clean any foreign objects.

2. Monthly maintenance items

- * Open the electrical control box and blow off the dust on the electrical components with an air gun
- * Clean the dust and oil stains around the equipment
- * Check for loose screws and tighten them in a timely manner

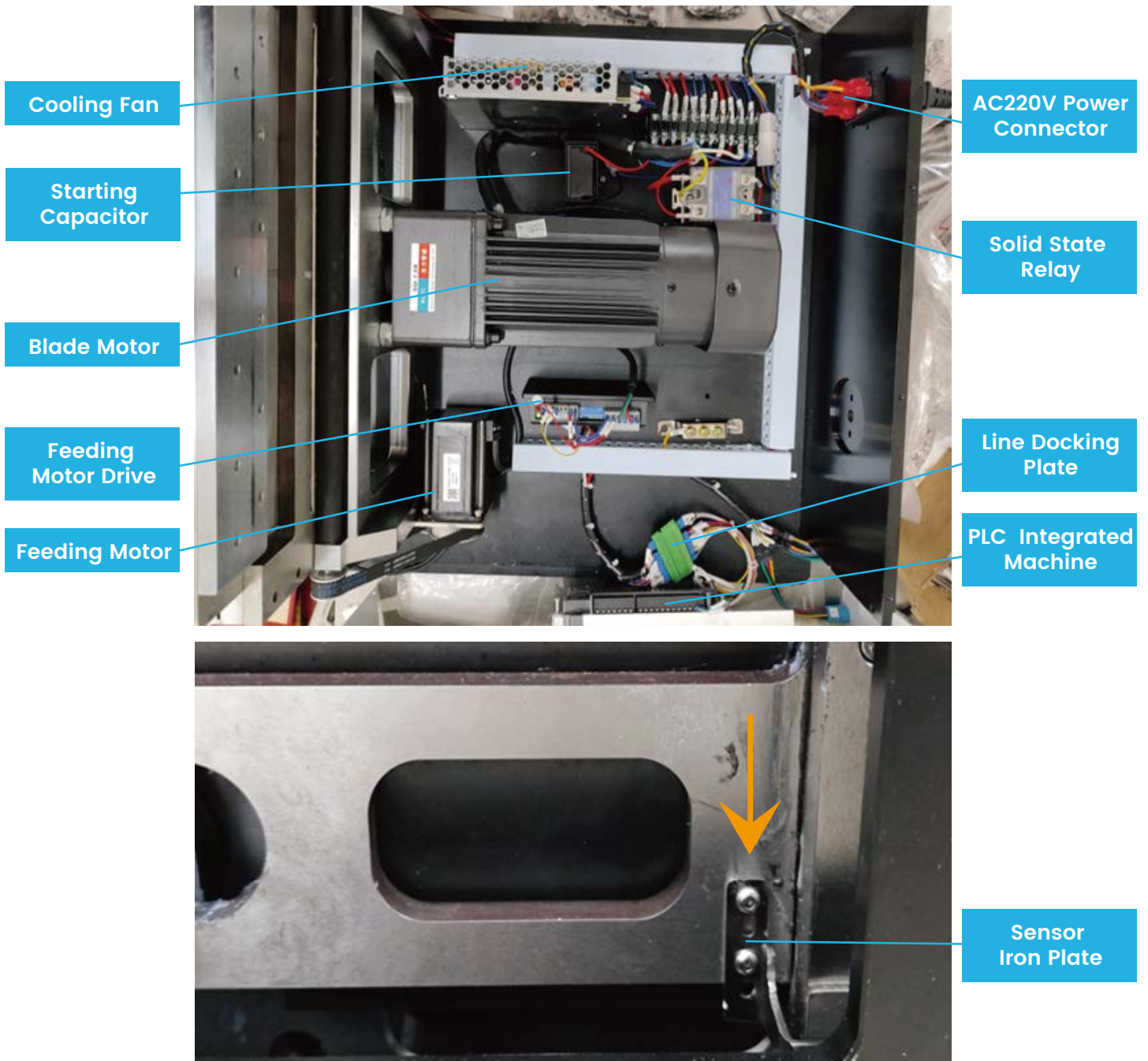
3. Annual maintenance items

- * Check the motor, cutter, and belt for severe aging, and replace them promptly if necessary
- * The parts are severely worn, please replace them in a timely manner

4. Long term idle precautions

- * When the equipment is not in use for a long time, please spray anti rust oil and package the entire machine to prevent moisture and dust.
- * The screw and slide should be coated with butter to prevent rusting.

The Interior of the Device



Note: If the sensor iron plate has been disassembled, be sure to move it upwards to the limit when reassembling it, and then tighten the screw.

Video: <https://youtu.be/TDtBmuA0kLo>