KIOXIA LIGHT RING EQUIPMENT GROUP CO.,LTD.

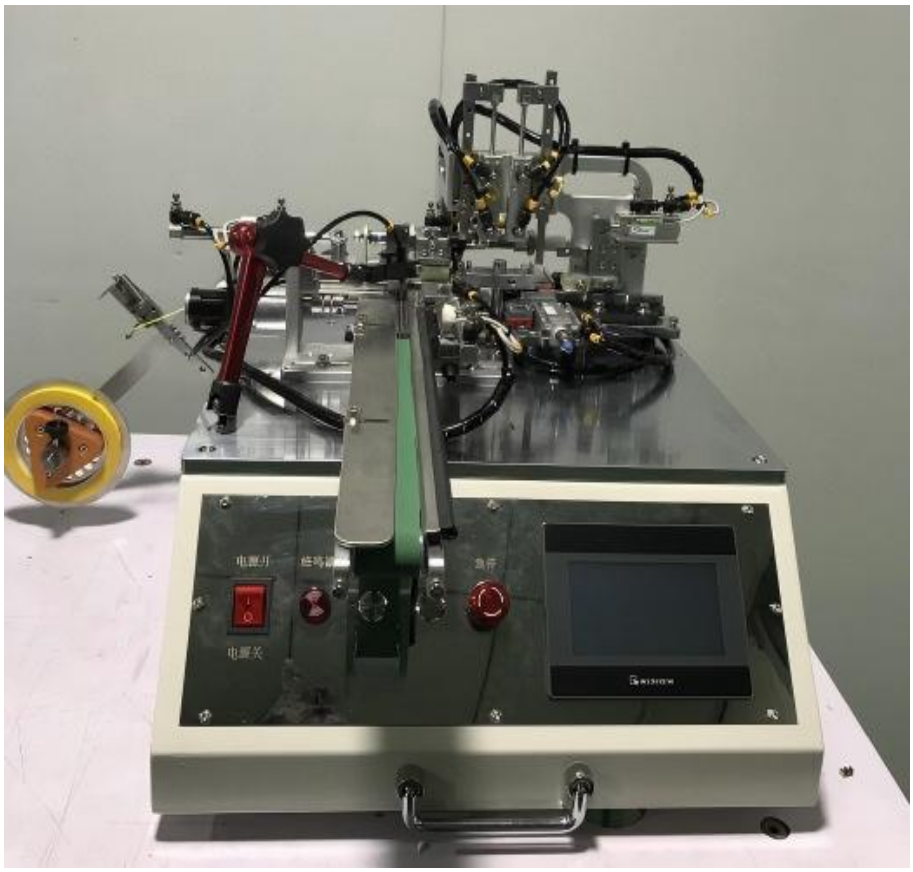
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Transformer Caping machine

KXL-01B



Machine Exterior view

CATALOG

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2. Inductor Coil Back caping Machine check when starting:

l Check if the water in the air filter has been completely drained.

l Whether the emergency stop button pops up.

l Is the air switch on?

The air pressure must be maintained above 0.55 Mpa.

Check if there is oil in the oil mist chamber of the air filter.

l Is the welding power supply on?

1. Machine Introduction

Function: The automatic magnetic core back-coating caping machine (Model: KXL-01B) is a professional device designed for transformer safety compliance products. It specializes in the processing and production of magnetic core packaging with external tape, featuring compatibility with EE, EP, and EFD magnetic cores. This machine significantly reduces labor costs and controls raw material expenses. With user-friendly operation, it is widely applicable in high-frequency transformer manufacturing.

Magnetic Core Caping Machine Main Features：

1. Production: 2.9 seconds-3.2 per piece

Core compatibility: Compatible with EE13-EE25 models, enabling tooling conversion for different machine types.

3. User-friendly operation: The intuitive human-machine interface enables simple adjustments, such as tape length, tape circumference, folding position, and tape retention length, all of which are easily configured with a no-technical-know-how approach. This significantly reduces the time required for specification changes and lowers the difficulty of employee training, allowing one operator to manage multiple machines.

2. The raw materials of the machine components are meticulously crafted from high-quality die steel and undergo hard chrome plating for durability. Key components such as air source processing, pneumatic actuators, and pneumatic control systems are sourced from renowned domestic and international brands, including Japan's "SMC" and Taiwan's "Yadeke".

Key technical specification:

Device size	700*700*50mm
weight of equipment	50kg
Power supply	AC220V 50/60Hz
Power consumption	800W
bleed pressure	5 ~ 6kg/cm

Note: Customization is available for other specifications as required by the manufacturer. Due to technical upgrades, any changes to the above parameters will not be notified separately.

3. Operation Panel and Touchscreen Instructions

The operation panel is shown below:

1 2 3 4 5

1 Power switch 2 Beeper 3 Single step/automatic switch 4 Start 5 Emergency stop

1. Turn the switch up to turn on the power, and down to turn it off.

2. The single-step switch operates in manual mode when pressed down and in automatic mode when released.

3. When the single-step switch is set to automatic mode, press the starter to begin automatic operation.

4. Press the stop switch to freely halt the machine.

5. When the reset switch is pressed, all components of the machine return to their original positions, and the control system resets to its initial state.

6. Upon emergency stop command, the machine shall immediately halt and return to both zero position and standby mode.

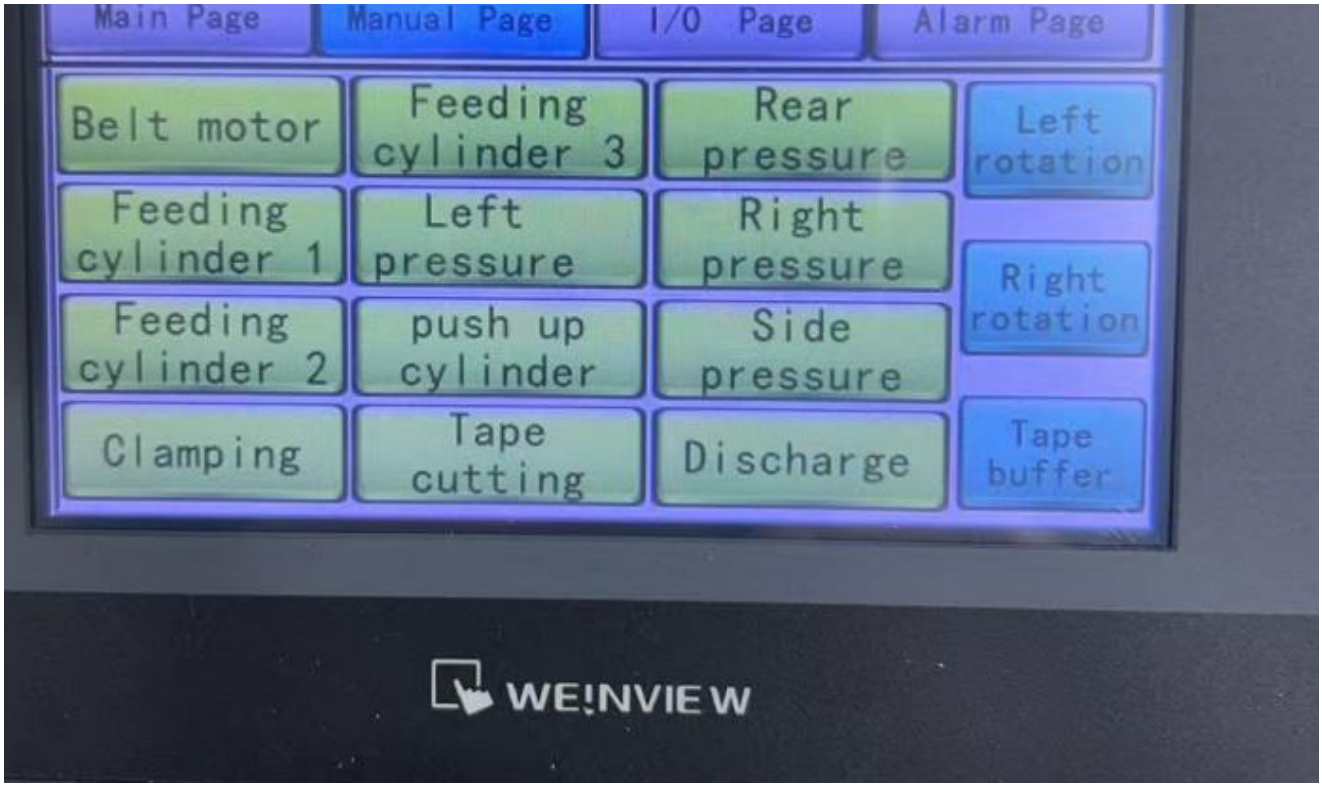
※Safety Warning!

Before performing maintenance, please turn off the air pressure and power supply first!

Do not let limbs contact moving parts during machine operation! Avoid touching heated areas when the soldering iron is activated!

2. Touchscreen Operation Guide

2. Click the screen to enter the monitoring view, which displays the following interface:



1. The top row of the screen displays the options bar, where you can select the screen to enter. To enter the manual screen, click the manual screen location.

2. The "Production Setting" allows you to define the quantity to be produced.

3. "Production Count" The actual quantity produced currently. When "Production Count"

4. The "Production Speed" displays the time required for the current machine to produce one product.

5. Select 'Enable buzzer on' or 'Disable' to choose whether to enable the alarm sound

6. Select 'Enable Core Induction' or 'Disable' to determine whether to enable the magnetic ring material shortage alarm

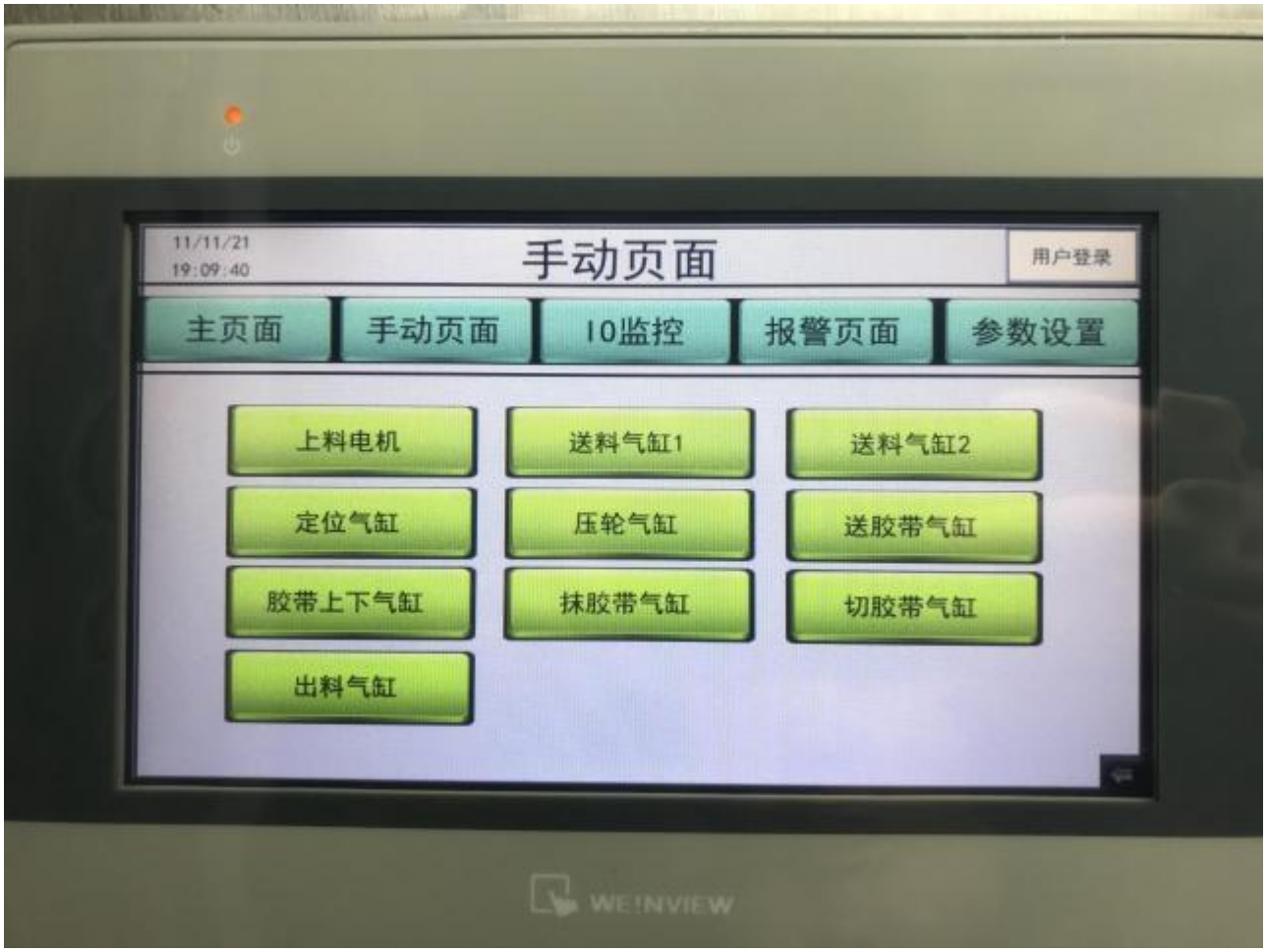
7. Select 'Enable Tape Induction' or 'Disable' to determine whether to enable the tape run-out alarm

8. "Post-activation adhesive application" is required for certain product processes, where only the bottom and side back adhesives of the magnetic core are needed.

9. The "manual page" controls the individual pneumatic cylinder actuators of the machine.

10. "Monitoring Page". Display of each IO point on the machine

3. Click "Manual Page" to display the following screen:



When the "Single/Auto" switch is set to Single, clicking the desired action activates it. A second click cancels the action. For example, clicking "Feed Cylinder 1" activates the feed cylinder 1, and a second click automatically resets it.

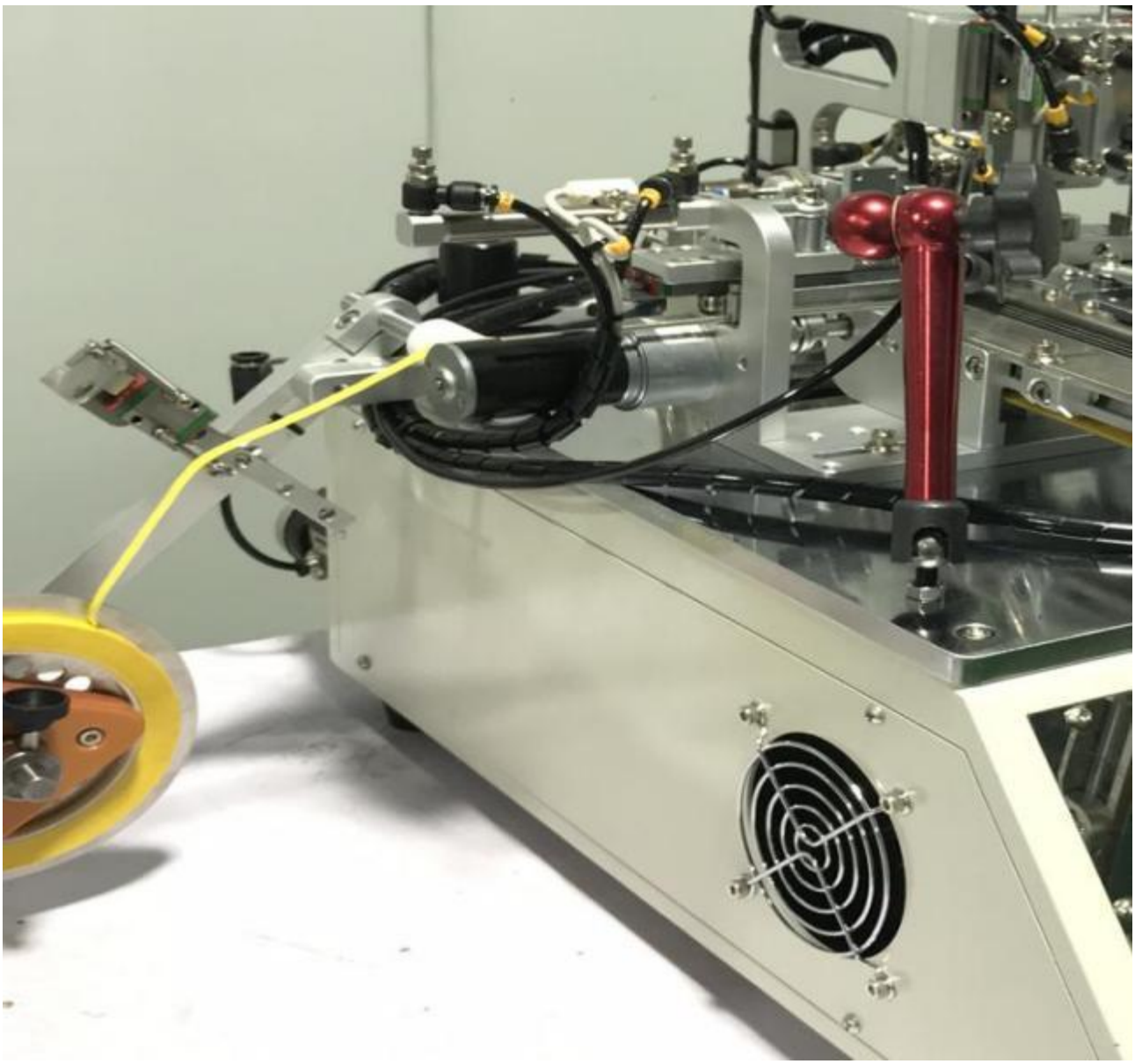
When the "Single/Auto" switch is set to Auto, it activates the monitoring mode for each action. Specifically, when an action is triggered, the button's background color changes from green to red.

4. Click the monitoring screen to display the image below:



This page is for maintenance purposes and monitors the status of various sensor signals and action execution.

4. The tape installation is shown in the figure below:



Install the tape according to the position of the installation clip on the inner ring, with the adhesive side facing outward. Then, as shown in the figure above, thread the tape through the buffer rod and adjust the edge stop position to match the tape width.

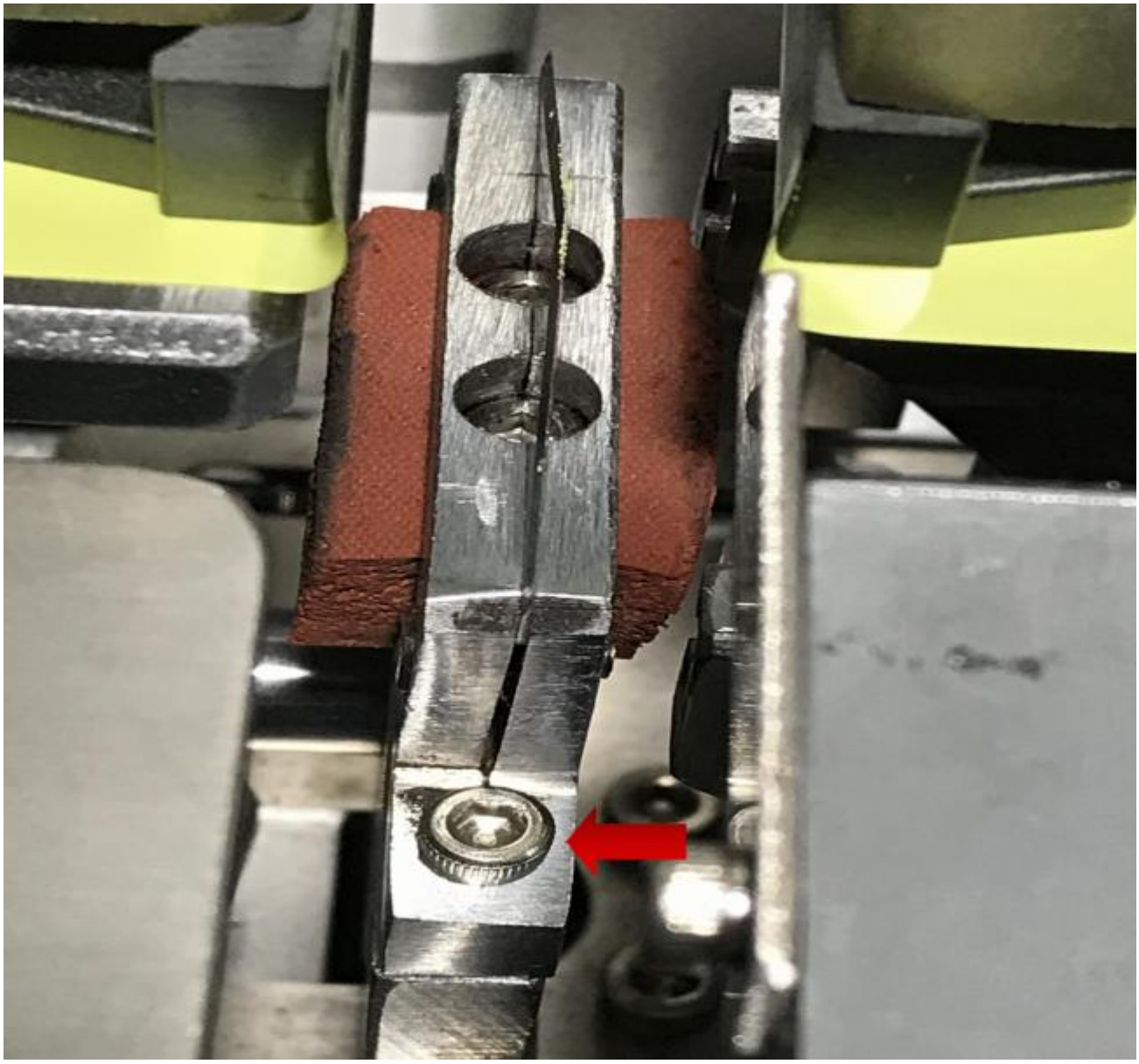
5. Magnetic core feeding method:



The operator manually inserts the magnetic core into the conveyor track using a material suction fixture. A magnetic core detection sensor is positioned 2-4mm away from the magnetic ring. When the magnetic core falls below the sensor level, the machine automatically halts with an alarm. After refilling the core, the

alarm interface is cleared, and pressing the start button resumes automatic operation.

6. Replace the blade and the adhesive pad



To replace the blade or adhesive pad, the machine must be in a stopped standby state (or an emergency stop should be pressed). This is the safest operating condition. Remove the screws securing the blade holder at the arrow position, then extract the holder using a pointed tool or pliers. There are two screws on the side of the holder; loosening them allows the blade to be removed for replacement. The adhesive pad can be replaced without loosening the screws.

7. Maintenance and Troubleshooting Daily maintenance:

1. Clean the workbench.

2. Drain the water from the air filter.

3. Lubricate all moving parts.

4. Internal cleaning of magnetic core flow path.

debugging：

When a machine malfunctions, the display screen automatically displays a notification. Refer to the instructions to verify the cylinder's position or check the sensor indicator light. For example, if the cylinder is in the rear position but the sensor light remains off, loosen the sensor screws and adjust the sensor until the light illuminates. If the issue persists, contact the manufacturer.