

Instruction Manual for Semi-automatic Cellophane Wrapping Machine ACW-88AT

I. Function

The ACW-88AT is a semi-automatic 3D packaging machine equipped with an electric lifting film cutting function, an automatic film feeding function, and an added **tear strip with pull string** feature. It ensures precise control of film output length, consistent packaging quality, and enhanced user convenience. Suitable for various 3D packaging needs, the ACW-88AT delivers stable performance, achieving efficient and aesthetically pleasing packaging results. It significantly improves the overall product image and is an indispensable tool for modern packaging production lines.

II. Technical Parameters

Model	ACW-88AT
Maximum Width of Roll Film	40cm
Cutting Device	Heating Wire
Speed	15 - 20 times/min
Weight	28kg
Voltage	220V 50 - 60Hz
Power	1.5kW
Degree of Automation	Semi-Automatic
Machine Dimensions	68 * 58 * 28cm

III. Details and Functions

(I) Electric Lifting Film Cutting Device

The machine features an advanced electric lifting system combined with precise film cutting components. During operation, it quickly and smoothly completes the film cutting action based on preset instructions or real-time sensing, ensuring clean cuts and minimal film waste. This provides accurately sized film materials for subsequent packaging processes.

(II) Automatic Film Feeding System

The built-in intelligent film feeding control module, powered by precise algorithms and sensors, ensures consistent film output length for each cycle. This eliminates packaging deviations caused by inconsistent film lengths, significantly improving packaging standardization and reducing defect rates.

(III) Tear Strip with Pull String

The newly added tear strip feature allows users to easily open the packaging by pulling the string, enhancing convenience and user experience. This feature is particularly useful for industries requiring quick and easy access to packaged products.

IV. Operation Methods

1. Connect the machine to a 220V power supply, ensuring a stable connection without looseness, damage, or other abnormalities. Once powered on, the machine enters standby mode, and the control panel indicator light will illuminate.
 2. Install the roll film in the designated position, adjusting its placement and tension to ensure smooth film output. Verify that there are no wrinkles or jams in the film transmission path.
 3. Set the packaging parameters on the control panel according to the product size, including key data such as film output length and cutting timing, to ensure the packaging meets product requirements.
 4. Start the machine, place the product on the packaging station, and the machine will automatically initiate the film feeding process. It wraps the product according to the preset parameters, and the electric lifting film cutting device precisely cuts the film at the appropriate moment to complete the packaging cycle. Repeat as needed.
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V. Maintenance

- Before performing maintenance, always turn off the machine and unplug the power cord to prevent electric shock and ensure a safe working environment.
- Regularly clean dust and debris from the machine surface, especially around the film outlet and cutting components, to prevent buildup that could affect packaging accuracy and machine performance. Use a soft, clean cloth for wiping.

- Inspect the heating wire for any signs of wear, burning, or oxidation. If abnormalities are found, contact the manufacturer or supplier for replacement to maintain consistent cutting performance.
- Apply lubricating oil to the transmission components of the electric lifting system, such as guide rails and screw rods, to ensure smooth operation, reduce wear, and extend the machine's lifespan.
- Non-professionals should not attempt to disassemble or repair core components. In case of malfunction, contact the professional after-sales team immediately to avoid further damage.

VI. Faults and Solutions

Fault	Cause	Solution
Inconsistent Film Output Length	Sensor failure or dirt	Clean the sensor and recalibrate the control module parameters. If the issue persists, contact after-sales support for sensor inspection.
	Abnormal control module parameters	Recalibrate the control module parameters. If unresolved, seek professional assistance.
Uneven Film Cutting	Uneven heating wire temperature	Check the heating wire's power supply stability and adjust or tighten the cutting device's mechanical parts. Replace the heating wire if necessary.
	Mechanical looseness in the cutting device	Tighten the mechanical components and ensure proper alignment.
Loud Machine Operation Noise	Lack of lubrication in transmission parts	Apply lubricating oil to the transmission parts and inspect for smooth operation.
	Foreign objects inside the machine	Open the machine casing, remove any foreign objects, and ensure safe operation.

VII. Parts List

Serial Number	Name	Quantity
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1	Main Machine	1 unit
2	Power Cord	1 piece
3	Spare Heating Wire	1 piece
4	Simple Repair Tools (e.g., Screwdrivers)	1 set

The content of this instruction manual is subject to change without prior notice.