

APEX

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Model: XM-Tape

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XM-Tape User Manual

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Overview

1.1 Equipment Overview

Thank you very much for choosing our company's XM-Tape Automatic Mug Wrapping Machine! Please read this user manual carefully before use to ensure proper operation. Please keep this manual in a safe place for quick reference at any time.

Due to variations in configuration, some machines may not include all the features listed in this manual. Please refer to your specific model's operational features for definitive details.

1.2 Safety Precautions

NOTICE



The manufacturer is not responsible for damage, injury, production loss, or other losses caused by improper operation, unauthorized modification, incorrect installation, incompatible parts, or service by unqualified personnel.

1.3 Operating Environment

- Indoor, dry, clean, and well-ventilated location
- Storage Ambient Temperature: 32–122°F;
- Storage Ambient Relative Humidity: Below 80% (non-condensing).
- Operating Ambient Temperature: 32–104°F;
- Operating Ambient Relative Humidity: Below 80% (non-condensing)
- Stable, level, heat-resistant work surface
- Keep away from water, excessive dust, corrosive gases, flammable materials, and explosive vapors

1.4 Grounding & Technical Parameters

1.4-1 Grounding Requirements:

To prevent electric shock or fire accidents caused by electrical leakage, overvoltage, or insulation breakdown, please ensure the power control system is reliably and securely grounded. The grounding resistance must be less than 10 Ohms, the wire length must be within 20 meters, and the wire cross-sectional area must be greater than 4 mm². Machines in motion present inherent dangers! It is the user's responsibility to design effective error-handling and safety protection mechanisms during production. This equipment carries no obligation or liability for any incidental or consequential damages resulting from operation.

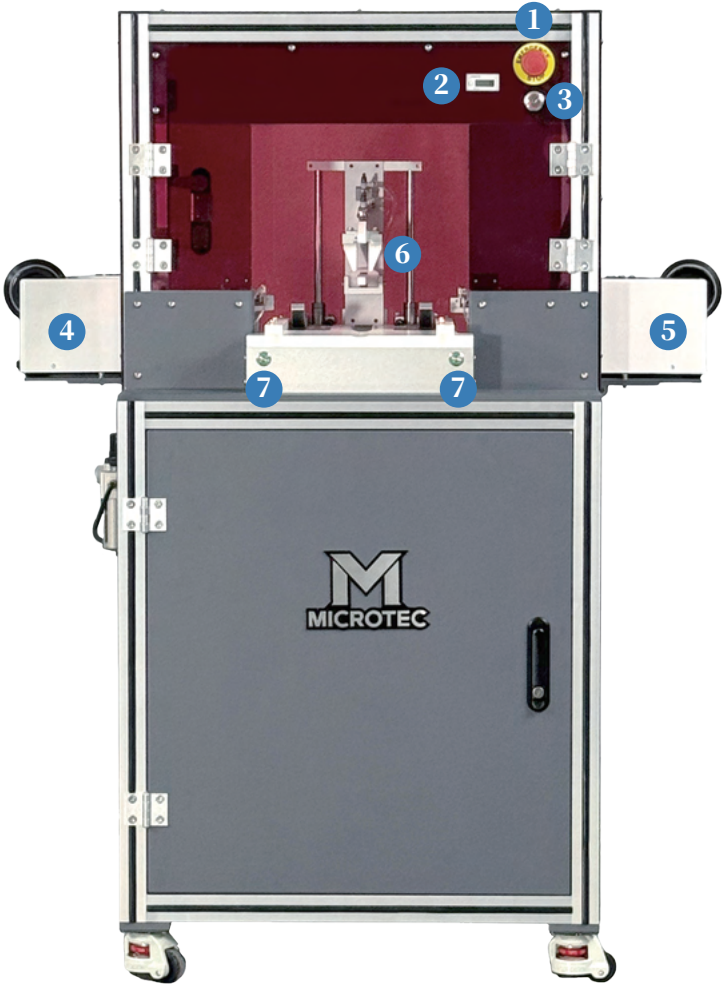
1.4-2 Technical Parameters:

Parameter	Specification
Model No.	XM-Tape
Controller	PLC(FAS-32MT)
Amp \ Voltage \ Power \ Phase	5A\220V\1KW, 60HZ

Appearance and Functions

2.1 Exterior View

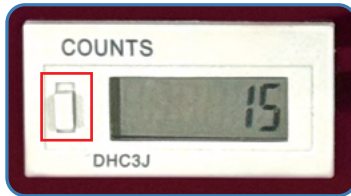
(Please refer to the images in your original document for labels 1 through 7.)



2.2 Component Names and Functions

1. Emergency Stop Button: In the event of an abnormality, press the Emergency Stop button to halt machine operation. Twist the button to reset it before resuming use.

2. Counter: Each completed cycle increments the counter by 1. Move the switch upward to clear/reset the count, or move it downward to lock the counter button, as shown in the image below.



3. Power Switch: Turns the machine power ON and OFF.

4. & 5. Automatic Tape Dispenser: Precisely controlled by program logic to automatically feed tape at a preset length.

6. Working Platform: Used for placing the transfer paper and the mug.

7. Start Buttons: Press both green start buttons simultaneously with both hands to initiate the automatic wrapping action.

2.3 Automatic Tape Dispenser Functions



Length Adjustment Buttons (mm / cm): These two buttons are used to adjust the tape dispensing length. Pressing "mm" increments the length by 1 mm; pressing "cm" increments the length by 10 mm. These settings are factory-configured, and adjustment is generally not recommended.



Feed/Retract Buttons (Left Arrow / Right Arrow): The left button feeds the tape forward, and the right button retracts the tape.



Cut/Reset Buttons (Scissors / 20): The left button cuts the extended tape, and the right button resets the dispensing length value back to the default 20 mm.

Please contact your supplier to obtain a video tutorial on how to replace the tape.

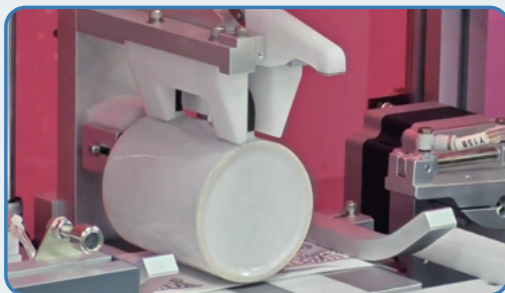
2.4 Automatic Operation

1. Place the machine flat on a level floor. Ensure the equipment is connected to a power supply that meets the requirements.
2. Verify that a dry air supply source is connected.
3. Turn ON the power switch.

4. Place the transfer paper flat on the platform with the printed side facing up. Take one piece and place it flat on the mug transfer area:



5. Place a mug onto the platform:

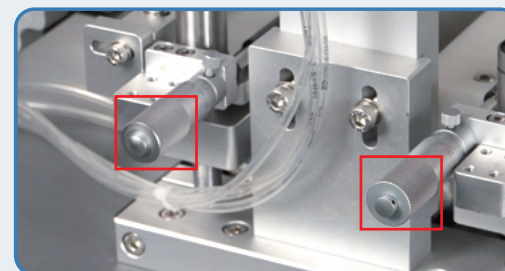


6. Press both green start buttons simultaneously with both hands. The machine will run automatically. Once completed, remove the mug:



7. Repeat the steps above to process the remaining mugs.

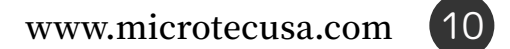
If the transfer paper and the mug are misaligned, you can adjust the position of the transfer paper or the mug using the components indicated by the red circles below:

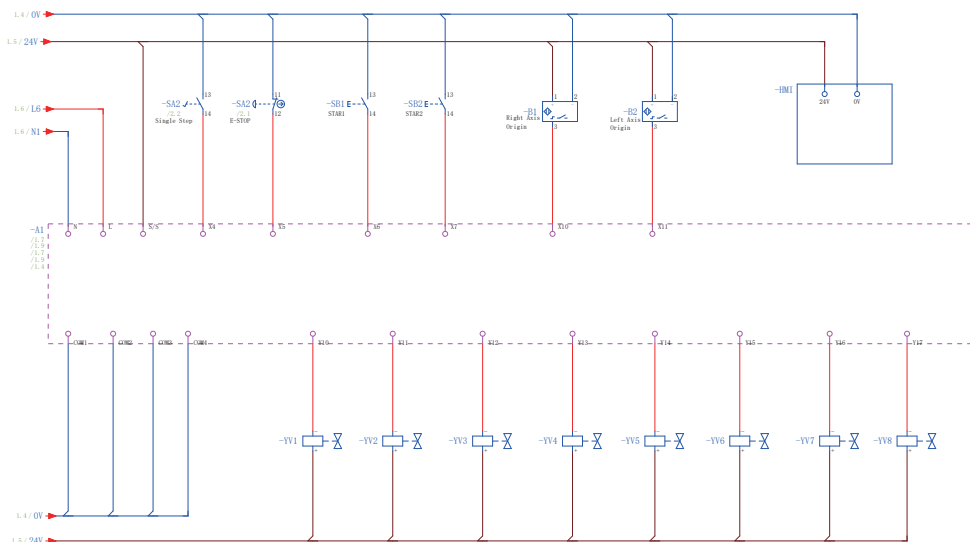


(Refer to the technical drawings in your original document for specific measurements.)



(Refer to your original document for the diagram layout.)





Pneumatic Diagram

(Refer to your original document for the diagram layout.)

