

A3 Shaker Use Manual



Installation Video: https://youtu.be/PE1Q_ENbwhM

(video coupon code)

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1.Safety Information

- A. Power Supply: Single-phase AC 50Hz 220V/110V AC ($\pm 10\%$). Rated power for printer is 1KW, and for powder shaker is 6KW. It is recommended to use a voltage stabilizer.
- B. Only apply the power supply type indicated in the printer's label. Select 110V or 220V AC power according to the equipment's nameplate label. Product Description: This machine is a high-power, high-temperature device. Users should provide industrial-grade electricity and suitable premises for the equipment. Do not touch any areas marked with high-temperature signs to avoid burns. Before using the machine, it is crucial for users to understand its parameters, as improper operation cause product damage or other losses.
- C. Connect all equipment to a proper grounded outlet, avoiding using the same circuit as devices that frequently switch on and off (such as copiers or air conditioning systems).
- D. Avoid using outlets controlled by wall switches or automatic timers. Do not use damaged or broken power cords. Do not exceed the rated amperage of the wall outlet.
- E. Keep your computer system away from potential sources of electromagnetic interference, such as speakers or wireless telephone bases.
- F. Pay attention to safety during machine installation to prevent dropping and causing harm to people and equipment.
- G. If using additional power cords, make sure that the total amperage of the devices plugged into the additional power cord does not exceed the rated amperage of the power source. Also, remember not to exceed the rated amperage of the wall outlet for all devices plugged into it.
- H. Seek timely assistance from printer repair technicians if encountering any problems.
- I. For the safety of both people and the machine, it is essential to properly connect the grounding wire as instructed. Do not plug or unplug the printing cable and power cord while they are energized, as this can cause damage to the motherboard.

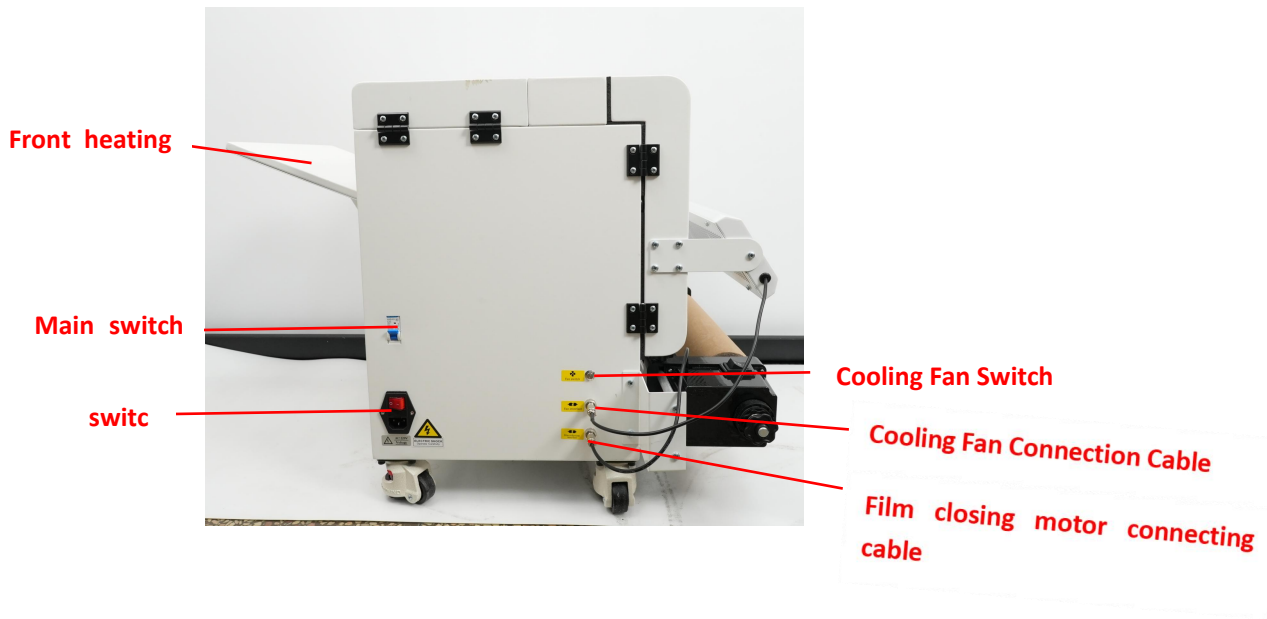
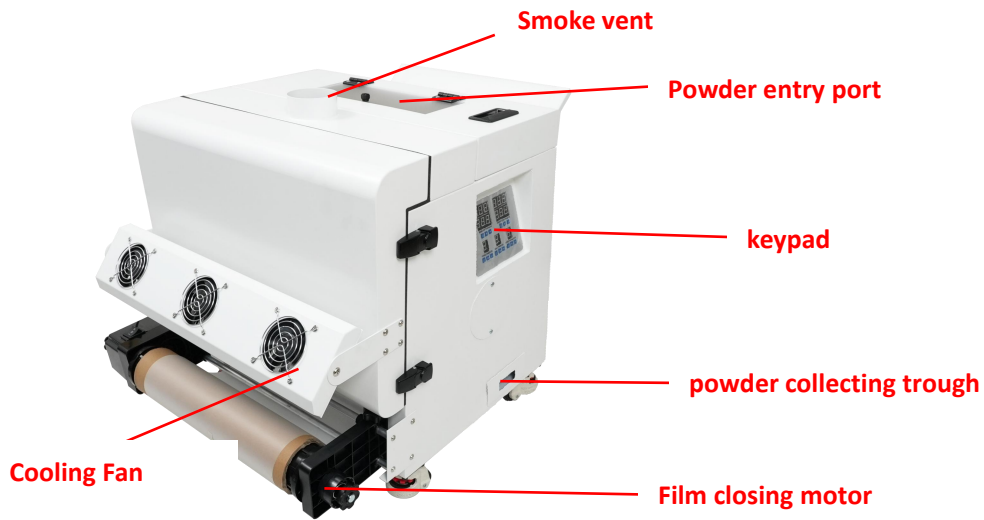
1.2 Operating Precautions

- A. Before powering on, ensure that there are no foreign objects inside the machine.
- B. When shutting down, turn off the computer and software before cutting off the power supply. Check the sealing status of the print head after shutdown to prevent clogging.
- C. When printing, always use a card paper holder (anti-curling device) to prevent paper misalignment and scraping against the print head

D. The machine must be supervised while operating. (There should always be dedicated operators.)

E. Warning: The machine must be grounded. When the air is dry, static electricity issues should not be ignored, especially when using PET film media (especially at high paper feeding speeds). Static electricity can cause damage to the machine and circuit boards. The only way to release static electricity is through grounding. Since the human body itself is a significant source of static electricity, when handling the print head, ensure that both hands are discharged (by touching a grounded metal object or wearing an anti-static wristband). Otherwise, it can easily cause damage to the circuit boards.

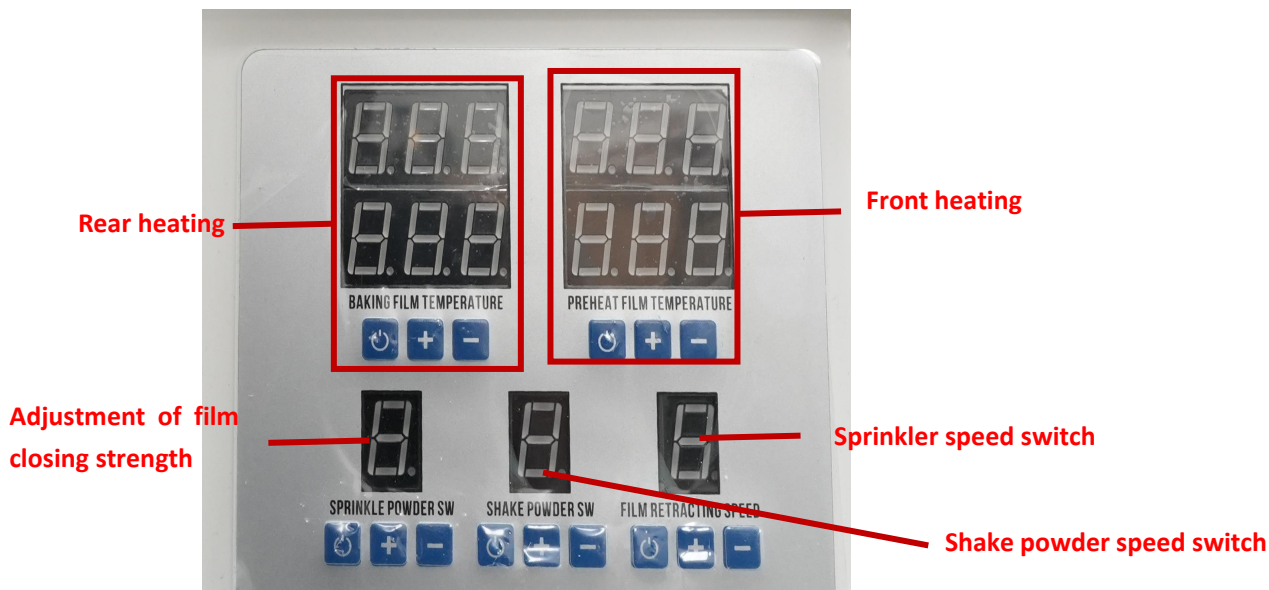
2. Structure & Components



3. Configuration List and Main Technical Parameters

1. Rated input voltage:~110V ± 5% 60HZ
2. Total power: 2000W
3. Equipment dimensions: 900 * 600 * 580 (mm)
4. Product packaging size: L800 * W610 * H710 (mm)
5. Net weight: 35Kg
6. Gross weight: 45Kg
7. Equipment effective size: 380mm * infinite length
8. Common film size: 300 * 100m roll material
9. Applicable media: fabrics, leather, nylon, synthetic fibers, fabrics, swimsuits, EVA, PVC, etc
10. Heating element: quartz heating tube
11. Powder spreading structure: Three discharge powder holes, the motor drives the silicon film to rotate and hot melt paint the powder box
12. Powder shaking device: The motor drives the powder shaking rod to beat the film and shake out excess hot melt powder

4. Control panel button instructions



- 1.Sprinkler speed switch: The working voltage of the motor can be adjusted by pressing the "powder amount+, - (adjustable range 0-9)" button to control the speed of the powder dispensing motor. The powder dispensing speed is controlled by the rotation of the silicon film driven by the powder dispensing motor to achieve different effects required by the product;
2. : Adjust the working voltage of the motor by pressing the "speed control+, - (adjustable Shake powder speed switch range 0-9)" button to control the speed of the shake motor. The shake

motor drives the shake film through the connecting rod, and the appropriate shake speed can be suitable for different effect requirements of different products;

3. Rear heating: The shaking machine detects the actual temperature by pressing the "temperature+, - (adjustable range 0-999)" button. Adjust the working temperature of the drying area. Due to different working environments and product media having different requirements for curing temperature, it is necessary to adjust it according to the characteristics of the product and material during actual use;

5. Front heating: Pre heating controller

5. Usage steps

1. Select the appropriate power supply according to regulations, connect the equipment power supply according to standards, and fix the equipment;
2. Debug the printer and pass the film through both the printer and the toner. The film should hang moderately in the powder box to the height of the sensor, and finally be fixed on the paper spool of the paper feeder;
3. Add hot melt powder to the powder box, being careful not to fill it too full. It is appropriate to just submerge the film. The normal powder spreading speed is once every 4 hours;
4. Turn on the Sprinkler speed switch and adjust to the appropriate amount of powder;
5. Turn on the Shake speed switch and adjust the Shake speed switch to the appropriate level;
6. Turn on the rear heating switch and adjust the curing temperature to 120 degrees. It is recommended to adjust the curing temperature within the range of 90-130 degrees;
7. After the solidification temperature of the shaking powder machine remains constant, the printer can enter the working state. The shaking powder machine is in automatic sensing feeding mode.

Attention:

1. The power supply voltage should be within a reasonable range and the power supply should be grounded properly to ensure the normal and stable operation of the equipment and the personal safety of the operators;
2. The fluctuation range of the power supply voltage of this device should be less than $\pm 5\%$. If the voltage is too low, it will affect the working efficiency of the device. If the voltage is too high, it will shorten the service life of key components of the device. It is recommended that users with conditions install voltage regulators.
3. If not used for a long time, the power plug should be unplugged in a timely manner;
4. This product must be installed horizontally to ensure that the equipment does not shake during operation. After adjusting the position, fix the brake wheels;
5. The installation location must be well ventilated. Due to the smoke and a large amount of water vapor generated by the shaking machine during operation, it is recommended to install a smoke purifier at the exhaust port of the shaking machine and an exhaust fan in the room; This is very important: Hot melt powder is sensitive to water vapor and temperature, and a good working environment can reduce equipment failure rates and improve product stability;
6. The quality of the produced products requires appropriate temperature and working speed coordination. A good working environment can greatly improve the service life of equipment and produce more stable products;

6. General Troubleshooting

Impunity	Rationale	Methods of elimination
The whole machine does not work	1、 Power supply is not connected 2、 Circuit contact is bad	1、 Check and turn on the power 2、 Check the circuit and restore the normal state
It's not dusted or powdered.	1、 Powder spreading film is stuck 2、 Motor shaft idling	1、 the powder in the powder box clean and solve the problem of ventilation in the use of places 2、 the motor shaft and coupling screws loose, the hexagonal screws locking
Abnormal skimmer operation	1、 powder add too much lead to pile up and block the line of sight to the sensor 2、 the sensor is loose or abnormal position 3、 circuit failure	1、 Clean up excess hot melt powder 2、 Move up and down the sensor mounting plate, re-adjust the sensor position and fixed 3、 Overhaul the circuit