

S-PM680 Solder Paste Mixer with touch screen User Manual



**Thank you very much for your choice of our products and please read
this manual carefully before using!**

1.Overview

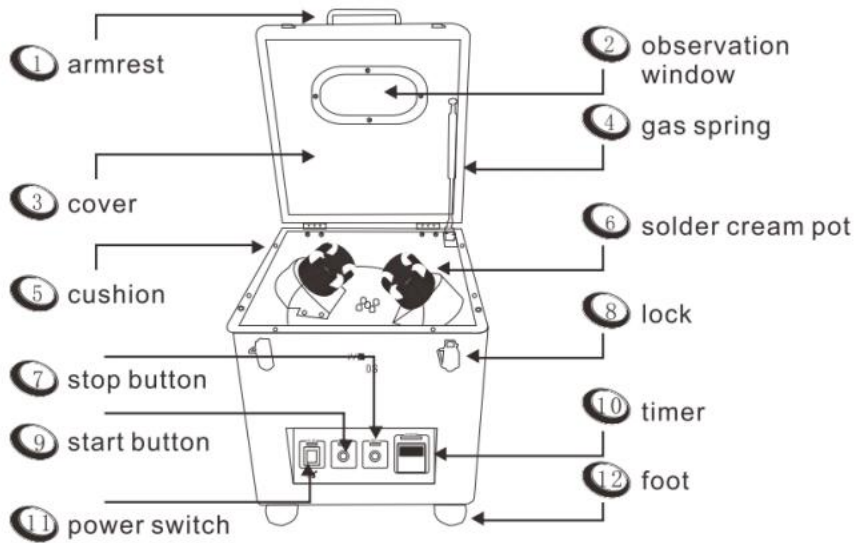
S-PM680 Automatic Solder paste Mixer makes solder paste move downward constantly through centrifugal force generated by revolution and cooperation with energy from rotation at 45 degree angle of axis of revolution. Solder paste located in the tank bottom makes upward movement from the surrounding, which forms a tornado-funnel shaped stirring action, and it can stir; soften and defoam the solderpaste with appropriate viscosity. Solder paste has good wettability, even diffusivity excellent printing effect after mixing, which achieves the best welding performance when reflowing soldering.

Its characteristics are as follows:

- There is special control circuit, adjustable mixing time and easy operation.
- Solder paste is placed by 45 degrees and rotates along axis direction and solder paste won't stick to the pot cover.
- Smooth operation, low noise, temperature return naturally and bubble remove in the process of mixing.
- There is no need to open cover for solder paste pot and it is convenient and safe for pick-and-place.
- There is safety device to ensure the personal safety.

2. Technical parameters

Machine Size(L*W*H)	450X400X436(mm)
Mixing capacity	500g/jar,2 units at one time
Mixing method	Centrifugal mixing
Mixing angle	45°
Power	1P AC110/220V 50/60HZ
Running speed	300-2400 (RPM)
Operating Mode	LCD touch screen (resistive)
Main Control Unit	ARM-Cortex microprocessor
Machine Weight	40 kg



3. Machine features and functions:



The features of S-PM680 automatic solder paste mixer are as follows: ①There is no need to de-ice the solder paste before mixing.

- ② Special control circuit, adjustable mixing time and speed, easy to operate.
- ③ The solder paste is placed at 45 degrees and rotates along the axis line, so that the solder paste will not stick to the can lid. ④ Smooth operation, low noise, and has the effect of naturally returning to temperature and removing air bubbles during the mixing process. ⑤ The solder paste cans do not need to open the lid, which is convenient and safe to take and place. The clamps are suitable for all kinds of packaged solder paste cans. ⑥ There is no moisture problem, and the shape of tin powder is not damaged.
- ⑦ Single power supply 220V/60HZ, with safety device to ensure personal safety.

4. Installation and operation steps of solder paste mixer:

4.1 Installation

4.1.1 Remove the packaging and read this manual carefully. Hold the bottom of the main machine with both hands to lift the main machine, place the main machine and place the machine on a horizontal and stable desktop or the ground to avoid shaking of the machine;

4.1.2 Please check the voltage specification of the machine (AC220V, 60HZ should be used in accordance with the voltage specification of the national standard), and connect the power cord correctly;

4.2 Debugging and functional operation steps

4.2.1 Machine test: Before use, we need machine adjustment

Tank police

Mode and ensure that it can operate normally, the method (open the lock, lift

Open the upper cover of the machine, confirm that there is no foreign matter in the machine, and then turn the orbiting device clockwise by hand, and the solder paste tank fixture should make the corresponding rotation movement);

4.2.2 Confirm that the power supply is correct and the power switch is in the OFF/OFF position, and turn on the power supply.

4.2.3 Depending on the quality of the solder paste and the refrigeration conditions, adjust the time setting of the touch screen panel and adjust

the interface for better mixing

Scan Almighty King Create

time.

4.2.4 To stop the machine during operation, press the emergency stop key or the stop/reset button on the touch screen interface to stop and cancel the current operation.

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4.2 Operation steps:

1. The first step is to set the mixing time: enter the time touch control setting interface of the machine, touch to switch “hour or minute or second” to set the appropriate number, which is the time you want to warm up; press the enter key after the adjustment is completed. 2. The second step is to install the paste: open the safety cover of the machine, load the solder paste and the balance code into the solder paste tank (Note: If you stir 2 bottles of solder paste at the same time, cancel the balance weight on one side);
3. The third step After pressing the touch screen start button, the running indicator light is on. The machine starts to automatically stir at high speed. At the same time, at the remaining stirring time, a dynamic countdown displays the remaining stirring time, and the machine stops automatically when the time is completed. 4. Other functions:
 - ①Reset stop: If you need to stop halfway, please press the reset button, the machine will stop, and the remaining time will automatically be the original set time.
 - ②Counting of working times: It can accumulatively record the times of machine operation and mixing, and it is convenient for statistics to record the times of mixing in the past. Press “Return to Zero” to automatically return to zero.
 - ③Emergency stop status display: (Normal: Stop switch-OFF, Emergency stop status: Stop switch-ON) ④ Machine running status: not working-standby, working-stirring.

5. Maintenance

Solder paste mixer is precise machinery and equipment and it will prolong the service life via frequent maintenance.

1. Machine uses fully-enclosed bearing and please keep machine clean.
2. Rotation devise belt is not durable item and please replace in the case of breakage.

6. Matters needing attention

1. Mixing operation is strictly prohibited when opening cover or unlocking.
2. There are some vibrations when machine runs so machine should be placed in a smooth and solid place. If there is intense and abnormal vibration noise when machine runs, please shut the power immediately and after all parts of machine stop running, please open cover for check and troubleshooting.
3. Before starting of machine, please make sure that there is no tool, gloves or other items in the machine, solder paste pot is placed correctly and weight difference on both sides of operation unit is not more than 50 grams, otherwise it will cause violent vibration of machine and lead machine damage in operation.
4. After ending of operation or pressing STOP button in the process of operation to make machine stop running, please make sure that mixing head is stopped fully via observation window and then open lock to open cover for further operation.

7. Attachment list

1. Adjustment belt
2. Rotation belt
3. Balance weights 500g
4. Instruction book
5. Certificate of quality
6. Lining

8. After-sales service

This machine warranty period is 12 months from the date of purchase; we will repair for free if it doesn't belong to man-made fault during the warranty period. In the case of man-made fault or beyond warranty period, we will take maintenance fee according to the circumstances and guarantee lifelong maintenance.