

## The User Manual of Solder paste mixer

### Overview:

The automatic solder paste mixer uses the revolution to generate centrifugal force, and the force generated by the rotation at an angle of 45 degrees with the revolution axis makes the solder paste at the upper end of the tank continuously move downwards, while the solder paste at the bottom of the tank moves from the periphery to the top of the tank. Forming a whirlwind funnel-shaped stirring action, which can smoothly stir and soften the solder paste, defoam and reach an appropriate viscosity. After stirring, the solder paste has good wettability, uniform diffusion, excellent printing effect, and Achieve the best flux performance during welding. Its characteristics are as follows:

- Special control circuit, adjustable mixing time, convenient operation.
- The solder paste is placed at 45 degrees and rotates along the axis of the axis so that the solder paste will not adhere to the can lid.
- Stable operation, low noise, with the effect of natural temperature recovery and clear air bubbles during the mixing process.
- The solder paste tank does not need to open the lid, it is convenient and safe to take and place.
- With safety devices to ensure personal safety.

### Technical Parameters:

Name	Solder paste mixer		
Speed	Motor speed: 1350RPM		
	One revolution: 400RPM; Second rotation: 300RPM		
Capacity	0-1000 g*2 cans		
Can accept solder paste cans	Diameter $\Phi$ 60- $\Phi$ 67 Standard(Suitable for general 500g solder paste cans)		
Time setting	0.01s~99H99s,Minute and second setting		
Display method	LED		
Peak Power(KW)	60W		
Input Voltage(V)	AC	220V $\pm$ 10%	50Hz
External Dimensions	40 $\times$ 40 $\times$ 50cm		
Net Weight	45kg		

## The instruction of the parts:



## Installation and adjustment

1. Remove the packaging and read this manual carefully. Lift the main unit with both hands on the bottom of the main unit, and place the main unit in the correct direction. The ground must be firm and stable.
2. Open the lock, open the top cover of the machine, and turn the orbiting device clockwise by hand, while the solder paste tank fixture should follow the corresponding rotation movement.
3. Confirm that the power supply is correct and the power switch is in the OFF position, and turn on the power supply.
4. Connect the host ground wire.

## Operation Steps

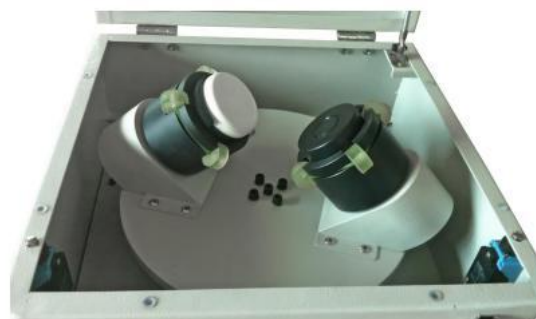
Step 1: Loosen the lock to open the cover



Step 2: Take out solder paste with the bushing (Tips: The bushing is not required if the diameter of the solder paste is larger than  $\phi 64$ ), and take out the 500g balance code



Step 3: Load the solder paste and balance code into the solder paste tank (Tips: If you stir 2 bottles of solder paste at the same time, without using the balance code)



Step 4: Close the lid and lock.



Step 5: Set the mixing time to reference 15 minutes (Tips:H is seconds, M is minutes, S is seconds),  
Time controller interface: set to 15M00



Step 6: Turn on the power-turn on the power switch-start the device

Step 7: After the stirring time is up, wait for the stirring head to stop rotating, press the stop button, turn off the power, and remove the solder paste.

Tips: If you need to stir two at the same time, make sure that its weight is approximately equal, and the difference should not exceed 50 grams. If you only need to stir one, choose a 500g stable weight based on the weight of the solder paste or use an empty solder paste with a considerable weight of scrap solder paste (or other items) as a balance weight.

## **Maintenance**

The solder paste mixer is a precision mechanical equipment. Regular maintenance will extend its service life.

1. The machine uses fully enclosed bearings, and the inside of the machine must be kept clean.
2. The belt of the rotation device is not durable. If it is damaged, it should be replaced in time.

## **Matters needing attention**

1. It is strictly forbidden to perform mixing operation when the cover is opened or the door is not locked.
2. There will be some vibration when the machine is running, so the machine should be placed in a stable and solid place. If the machine is running with an abnormal excessively vibration, turn off the power immediately, and after all parts of the standby machine stop rotating, open the cover for inspection and eliminate it.
3. Before starting the machine, please make sure that there are no tools, gloves or other items in the machine, the solder paste tank is placed correctly, and the weight difference between the two sides of the running device does not exceed 50 grams, otherwise it will cause the machine to vibrate severely and cause the machine to be damaged during operation.
4. After the machine's running time is over, or press the STOP button during running, the machine will stop. You must go through the observation window to check that the mixing head has completely stopped running before opening the door.

## **List of accessories**

1. Two adjustment belts
2. Two rotation belts
3. 500g balance weight
4. One instruction
5. One certificate
6. Two bushing