

Suitable for semiconductor and SMT industry

Silver Paste-Solder Paste-Glue Incubator



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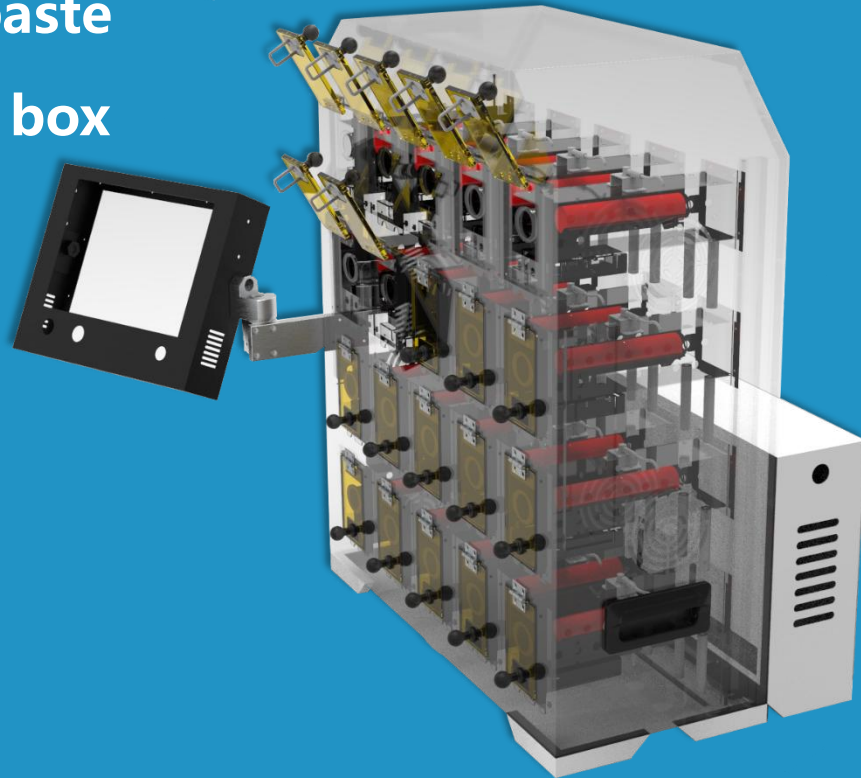
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Glue, silver paste
Return
temperature box

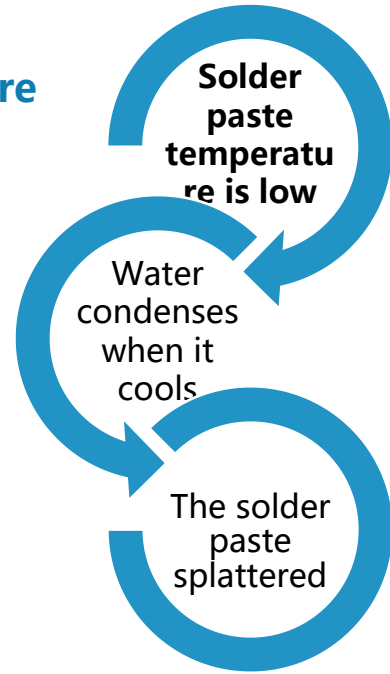
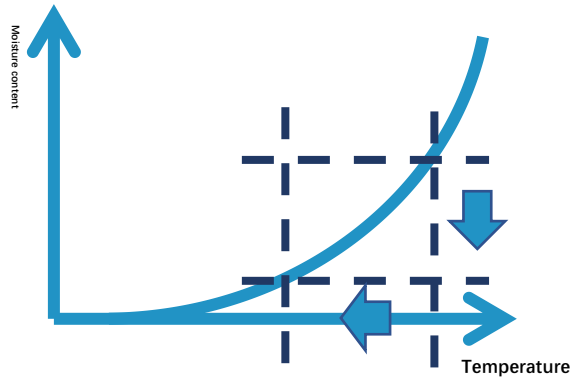


Matrix type
Solder paste
reheat box



Rotary type
Solder paste
reheat box

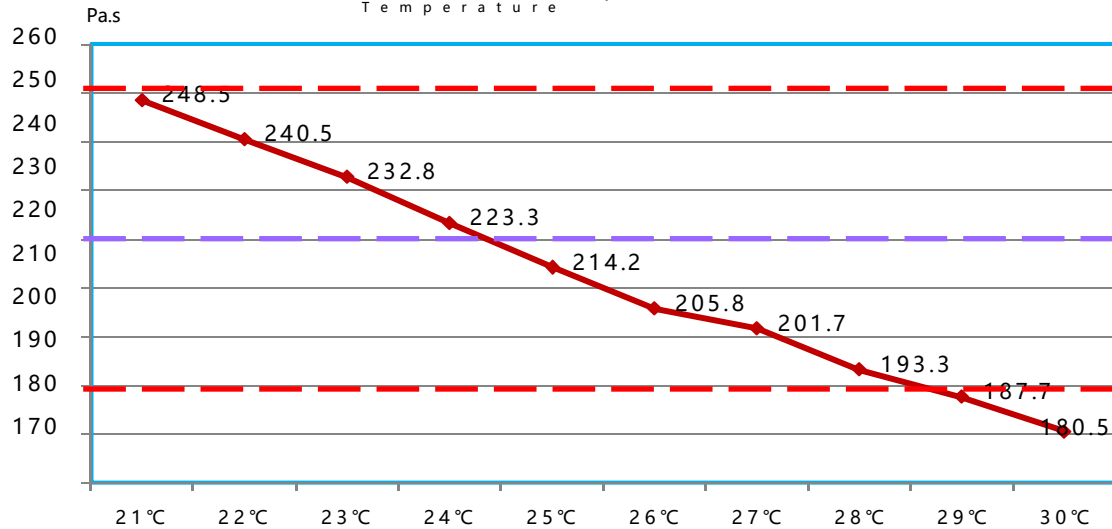
SMT Paste: Relationship between temperature and moisture content



Insufficient temperature return of silver paste, glue and solder paste

1. The water vapor content in the air is proportional to the temperature.
2. that wat vapor is condensed into a liquid state and enter the solder paste.
3. dure that reflow process, the wat forms steam to burst and overflow from the solder paste, causing the molten sol paste to splash on the board surface and forming a large number of solder beads.

Relationship between Solder
Paste Viscosity and
Temperature



The viscosity of solder paste, glue and silver paste is obviously affected by temperature. The viscosity of solder paste with insufficient temperature return is too large to play a good thixotropy, which affects the formation of printed solder.

**Serious quality hidden
danger**

Omnidirectional monitoring of temperature return link

Temperature return time management

The intelligent rewarming box can record and display the rewarming time of each bottle, and judge the rewarming time to determine whether it is allowed to be taken out.

First in first out principle

The internal PLC strictly implements the first-in first-out logic judgment, and gives priority to the opening of the solder paste bottle that completes the temperature return first.



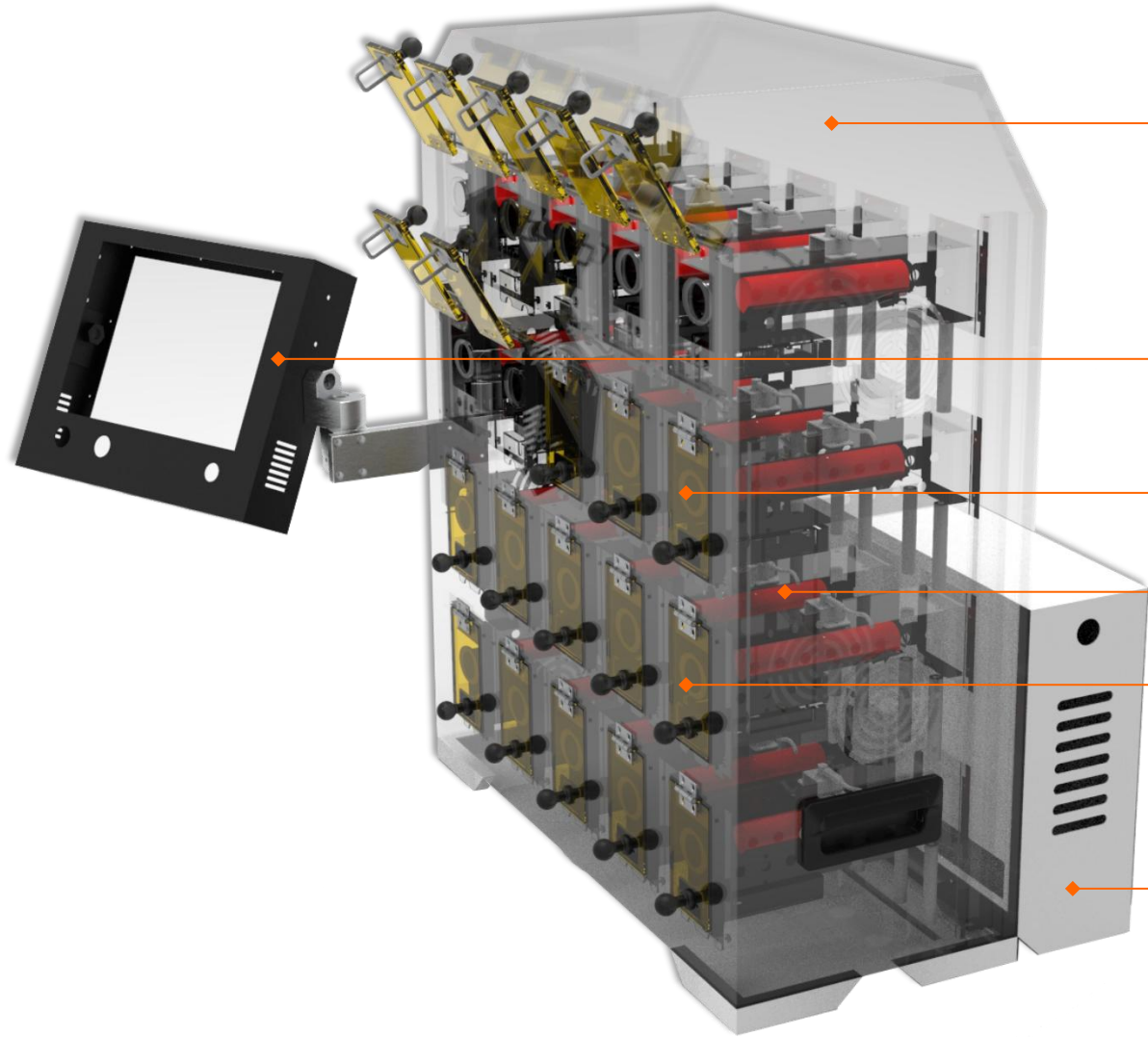
Timeout alarm

Solder paste not used for a long time due to production arrangement and other reasons. The equipment will give an alarm after the set warning time is exceeded.

Ambient temperature monitoring

The temperature transmitter of the equipment can monitor the temperature and humidity of the surrounding environment. If the temperature is too high or too low, it is not suitable for the solder paste to return to the temperature, and an alarm will be given.

Glue and silver paste reheating box



Glue and silver paste reheating box

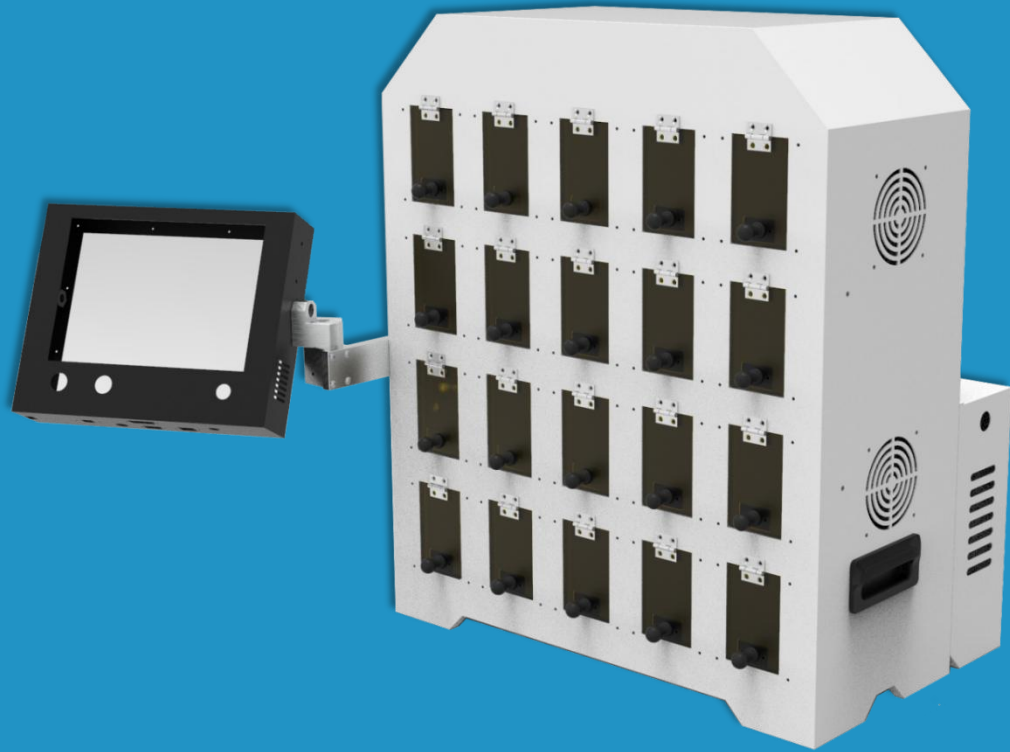
Main control operation screen

Latching mechanism

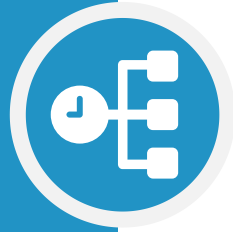
Storage location

Entrance and exit of glue and silver paste

Electric control box



No substitute for performance advantage



Control mode (all-electric)

7-inch HD touch screen operation

Panasonic PLC control, 2 expansion modules, 90 I/O interfaces, 20 LED indications

20 electromagnetic locking mechanisms, power-off locking, hardware fool-proof

With temperature sensor (monitoring the ambient temperature of the return temperature box)



Energy required

Pure electric control, built-in UPS power supply, never out of control

Power supply: 220V 50/60Hz

No air supply is required



Scope of application

Needle tubular glue and silver paste temperature return control
Control quantity: 20 tubes (can be customized according to customer requirements)

Partitioned control: 20 tubes can be divided into multiple areas and placed with different brands

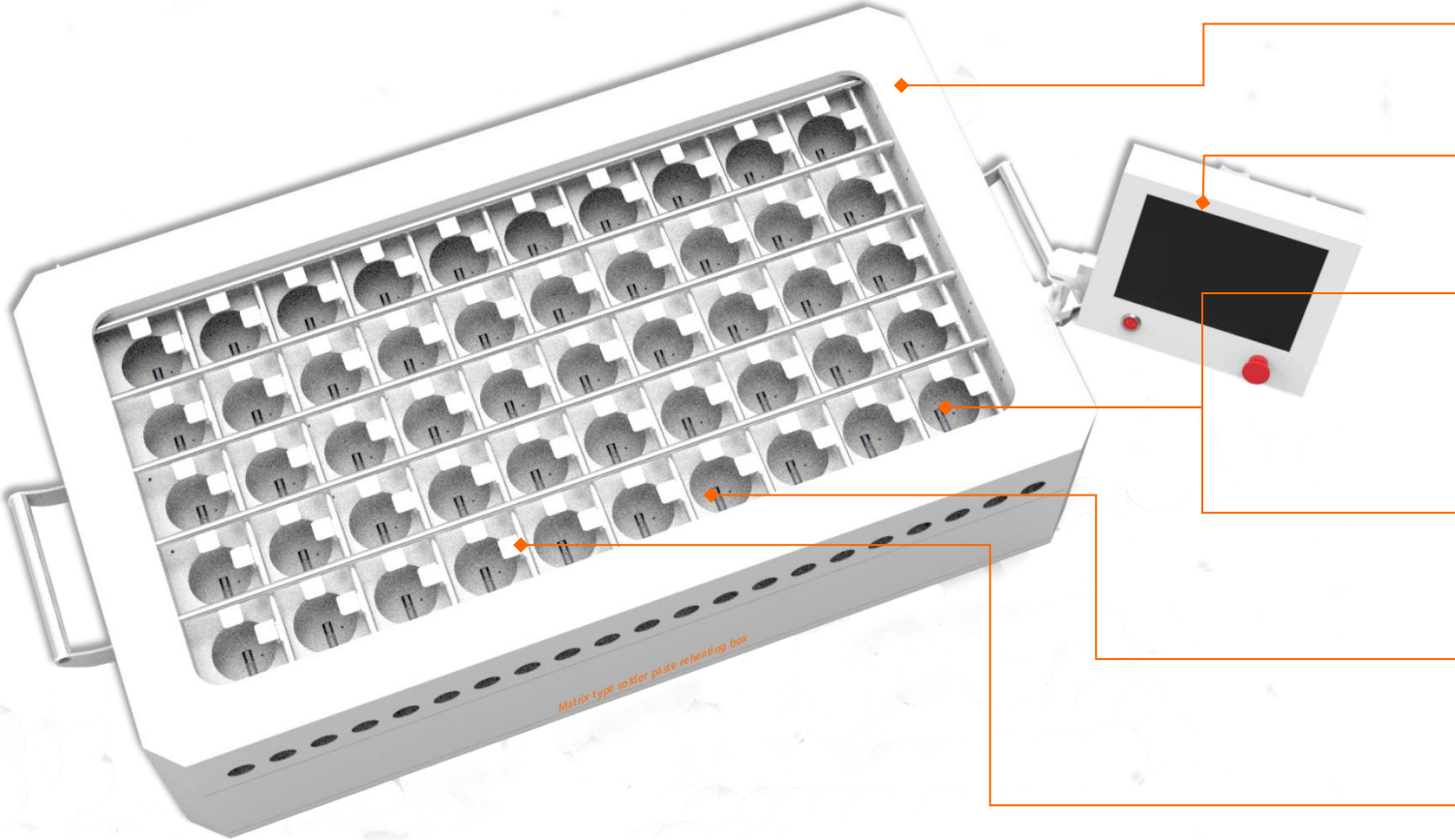
First in first out, unable to take out before the time, timeout alarm



Device parameters

Equipment size: 600 L * 350 W * 650 H

Matrix type solder paste reheating box



Solder paste reheat box

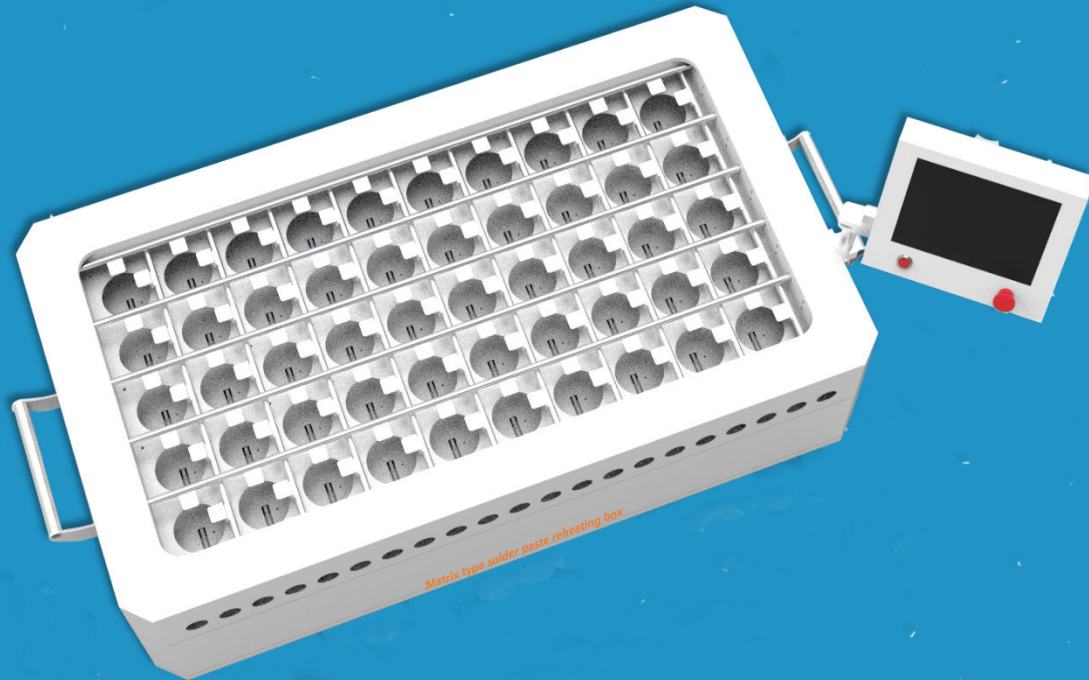
Operation screen

Paste removal position

Paste storage location

Bottom sensing contact

X/Y locking mechanism



No substitute for performance advantage



Control mode (all-electric)

10.2-inch high-definition touch screen operation
Panasonic PLC control, 3 expansion modules, 136 I/O interfaces, 10 laser indications

Locking bar driven by 15 DC motors, power-off locking, fool-proof hardware

With temperature sensor (monitoring the ambient temperature of the return temperature box)

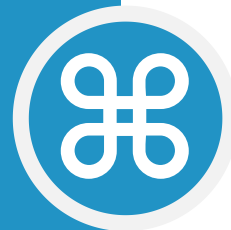


Energy required

Pure electric control, built-in UPS power supply, never out of control

Power supply: 220V 50/60Hz

No air supply is required



Scope of application

Bottled solder paste temperature return control

Control quantity: 50 bottles (can be customized according to customer requirements)

Partitioned control: 50 bottles can be divided into multiple areas and placed in different brands

First in first out, unable to take out before the time, timeout alarm



Device parameters

Equipment size: 1000 L * 600 W * 300 H (including screen)

Rotary solder paste reheat box



Operation screen

Solder paste locations that can be removed

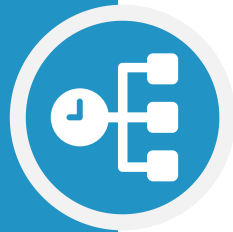
Rotate the disc

Inductive contact

Paste storage location



No substitute for performance advantage



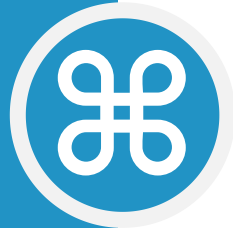
Control mode

Weilun touch screen operation
Panasonic PLC control
DC motor drive, power-off locking, unable to rotate, effective fool-proof
With temperature sensor (monitoring ambient temperature)



Energy required

Pure electric control, equipped with UPS power supply, never out of control
Power supply: 220V 50/60Hz
No air supply is required



Scope of application

Bottled solder paste temperature return control
Control quantity: 12 bottles
Zonal control: 12 bottles can be divided into Zone 1, Zone 2 and Zone 3
First in first out, unable to take out before the time, timeout alarm



Device parameters

Equipment size: 500 L * 500 W * 300 H (including screen)