

## Lead-Free Reflow Oven S-6600



## **FEATURES:**

- Complete for the lead free process
- Adopt instrument control System and closed loop control for heating source of each zone.
- Temperature control adopt circulation hot air heating mode for each zone;
- Closed loop control for conveyor system, can go along steadily stepless rate-adjusting;
- With over heating alarm function;

## Specification:

### GENERAL

Machine Dimension      L3000 \*W612 \*H1220mm  
Weight                      Approx.280Kg

### HEATING ZONE

Number of Heating Zones      Top 6/Bottom 6  
Length of Heating Zones      1800mm  
Heating Mode                      Circulation hot air  
Number of Cooling Zone      1 cooling Fan

### CONVEYOR SYSTEM

Max. Width of PCB              300mm  
Conveyor Direction              L→R  
Conveyor Height                880±20mm  
PCB Transmission Mode      Mesh  
Conveyor Speed                0-1500mm/min

### CONTROL SYSTEM

Power Supply                    5 Wire 3 phase, 380V 50/60HZ  
Power for Warm Up              10KW  
Power Consumption              4.5KW  
Warming Time                  15 Min  
Temperature Control Method      PID Close Loop Control + SSR Driving  
Abnormal Alarm                Abnormal Temperature (Extra-high temp).

## Details Refer :



© Reinforced main hanging bracket to guarantee there is no deforming and board jamming occurred.

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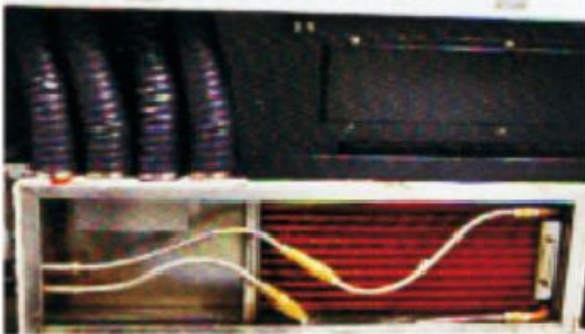


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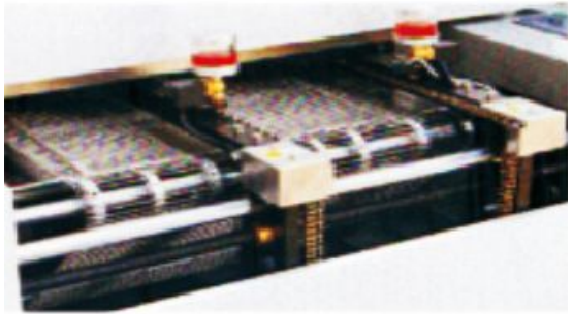


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- New cooling configuration to make the filtered or reclaimed air back to oven chamber, it reduced the thermal loss as well as get better flux reclamation.



- © 15% heat transferring efficiency was improved to deal with the lead free process with more complicated and larger products.



- © Use the full protection of the sealed oven design to prevent  $N_2$  and  $O_2$  from losing effectively. so the lowest concentration of  $N_2$  and  $O_2$  can be reached to 150 ppm.
- © When concentration of oxygen is 300–800 ppm,  $N_2$  consumption is only 20–22m<sup>3</sup>/H.



- The rail is daelt with hardened process to make it more stability.
- The conveyor chain adpoted with single Pin-plate design.
- The digital control system a dopted with PLC+modular circuit to stabilized and accurate of repetitive precision.



- © Temperature monitoring system to check each zone temp, every second, and auto cut off the power of heater when it over setting temperature.