

LW Fix 深圳市励维科技有限公司

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一、LV-06L BGA Rework station picture



二、LV-06L BGABGA Rework station introduction:

- 1、The adoption of linear slides enables fine fine-tuning or rapid positioning actions on the X, Y, and Z axes, featuring high positioning accuracy and quick operability.
- 2、This machine adopts a touch screen human-machine interface and is controlled by a single-chip microcomputer. It can store multiple sets of user temperature curve data. It features password protection and modification upon startup. During operation, the temperature data is displayed on the touch screen in the form of a curve, and it also has an instant curve analysis function.

3、It adopts independent heating in three temperature zones. The upper and lower temperature zones are heated by hot air, while the bottom temperature zone is heated by infrared. The temperature is precisely controlled within ± 2 degrees. The upper temperature zone can be freely moved as needed, and the second temperature zone can be adjusted up and down. The upper and lower heating devices can be set with multiple temperature control segments simultaneously. The output power of the IR preheating zone can be adjusted according to actual requirements.

4、The hot air nozzle can rotate 360° , and the large-area bottom infrared heater can ensure uniform heating of the PCB board.

5、High-precision K-type thermocouples are selected for closed-loop control, and an external temperature measurement interface is provided to achieve precise temperature detection. The PCB board positioning adopts V-shaped grooves. The flexible and convenient movable universal fixture protects the PCB board, preventing damage to the edge components of the PCB and deformation of the PCB, and can adapt to the rework of various BGA package sizes.

6、High-power cross-flow fans rapidly cool PCB boards to enhance operational efficiency. Simultaneously, an integrated vacuum pump and external vacuum suction pen facilitate quick and convenient handling of BGA chips.

7、After the welding work is completed, it has an alarm prompt function. To facilitate user operation, a "pre-alarm" function has been specially added.

8、This machine has passed the CE certification and is equipped with an emergency stop switch and an automatic power-off protection device in case of abnormal accidents. In the event of temperature loss of control, the circuit can automatically cut off power and has dual over-temperature protection functions.

9、Equipped with laser positioning red dots, it is convenient for customers to quickly locate the chips for repair.

三、LV-06L technical parameters:

Total power	8500W
Upper heating power	1200W
Lower heating power	1200W
Lower infrared heating power	6000W (4000W control)
Power supply	Single Phase (Single Phase) AC 220V±10 50Hz
Power cord assembly	3*4 Square or above
Location way	V-shape card slot + Universal jigs+laser position
Temperature Controlling	K-type thermocouple closed loop control, up & down independent temperature control, precision up to ±1 degree
Electrical Material	Touch screen + Temperature control module + PLC control
Max PCB size	700×580mm
Min PCB size	10×10mm
Infrared preheating size	580*480mm
Sensor	1PCS
PCB Thickness	0.3-8mm
Suitable Chip Size	1*1mm-80*80mm
Overall dimensions	910×930×680mm
Machine weight	Net 75kg