

BGA Rework Station BR120



Features:

A. Independent 3 heating zones temperature control system

1. The upper and lower hot air heating, which can heat up at the same time from the top of the component to the bottom of the PCB; bottom IR heating, temperature precision control within $\pm 1^{\circ}\text{C}$, 8 segment temperature control independently.
2. Hot air district heating for BGA and PCB at the same time, and large area IR heater preheating up for the bottom of PCB to avoid completely PCB deformation during reworking, the upper or lower temperature zones could be used alone and combine freely the energy of up and lower heating element.
3. Adopted high precision K-type thermocouple close-loop control and PID parameter self-setting system.
4. Temperature curves can be displayed with instant curve analysis function and multi-group user data can be saved; temperature can be tested precisely through external measurement interface, curves can be analyzed set and correct on the touch screen at any time.

B. Precision optical alignment system

Using high definition and adjustable CCD color optical alignment system, beam split amplification lessening fine adjustment and auto focus with the function that automatic color aberration resolution and brightness adjustment, adjustable image contrast; equipped with 15" high definition LCD monitor.

C. Multi-functional and humanized operation system

Adopting the HD touch human-machine interface; upper heating head and mounting head designed 2 in 1; providing many kinds of titanium alloy BGA nozzle can be rotated in 360 degree for easy installation and replacement. X, Y and R angle adopted micrometer fine-tuning, accuracy locating, precision can reach $\pm 0.01\text{mm}$.

D. Superior safety protection function

With the alarm function, after the BGA welding the machine can alarm by itself. In the case of temperature abuse, the circuit can power off automatically with the double over-temperature protection. Temperature parameter having password protection to prevent any modification.

Five working mode: remove, mount, weld, semi-auto, manual.

Optical alignment system with HD camera.

Specification:

PCB Size	10*10~450*390mm
Applicable Chips	1*1~80*80mm
Heater Power	Upper temp. zone 1200W; second temp. zone 1200W; IR temp. zone 2700W
Electrical Material	Driving motor + PLC smart temp. controller + color touch screen
Temperature	High precision K-sensor, Closed Loop, independent temp. controller, the precision can reach.

Controlling Locating Way	±1℃ V-shape slot, PCB support jigs can adjust, laser light do fast centering and position.
Temperature Interface	1 pcs
Dimension	L650*W630*H850mm
Weight	65KG
Power	AC 220V±10, 50/60Hz
Total Power	Max. 5300W

* I.C.T keeps working on quality and performance, specifications and appearance may be updated without particular notice.

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I.C.T looks forward to win-win cooperation.
Thank you.