

# DH-200 BGA rework station



## Specification:

Total Power	2300W
Top hot air heater	450W
Bottom diode heater	1800W
Power	AC220V±10% 50Hz
Lighting	Taiwan led working light, any angle adjusted.
Operation mode	High definition touch screen, intelligent conversational interface, digital system setting
Storage	5000 groups
Top heater movement	Automatic up / down with button, manual Right/left,
Bottom diode heating	Manual right / left movement.
Positioning	Intelligent positioning, PCB can be adjusted in X, Y direction with "5 points support" + V-groov pcb bracket + universal fixtures.
Temperature control	K sensor, close loop
Temp accuracy	±2°C
PCB size	Max 170×220 mm Min 22×22 mm

BGA chip	2x2 mm - 80x80 mm
Minimum chip spacing	0.15mm
External temper sensor	1pc
Dimensions	L540*W310*H500mm
Net weight	16KG

## Features:

1. DH-200 special for mobile repairing, such as Samsung, iPhone, Huawei, HTC.... Mini type, lower shipping cost.
2. Top hot air heating, bottom German diode heating zone with glass guard. Top head can move up / down automatic with button. Bottom zone can move forward / backward. Machine movement with slides, stable and durable.
3. Embedded industrial PC, HD touch screen conversational interface, human-machine interface operation, multi-functional integrated control, human structure design, optional numbers storage, apply temperature curve freely. With multi-functions: "keep same temperature", "instant curve analysis" and "voice warning before heating finish". Real-time actual temperature and temperature curve setting can also be used to analyze and correct the curve if necessary.
4. high precise k-type thermocouple closed-loop control, with temperature module and intelligent control unit to enable precise temperature deviation on  $\pm 2^{\circ}\text{C}$ . Meanwhile, external temperature measurement connector enables temperature diction and accurate analysis of real time temperature curve.
5. V-groove PCB works for rapid, convenient and accurate positioning, which can suitable for all kinds of PCB board positioning.
6. Movable universal fixture prevent pcb from damaged on fringe component, suitable for all kinds of pcb repairing.
7. With different size of magnet nozzles, easy replace and install, rotate freely  $360^{\circ}$ , any size can be custom if need. Titanium alloy material, never deformation, never rusty
8. Two heating zones can independently heat and they are multiple temperature control, which can ensure best integration of different temperature areas. Heating temperature, time, slope and cooling can all be set in touch screen conversational interface. Meanwhile PID calculation to control heating process more accurate and more stable.
9. 6-8 segments temperature can be set for top heating and lower heating(up to 16 segments). 50,000 groups of temperature curves can be stored, which can number, modification and apply at any time according to different BGA. Curve analysis, setting and adjustment are also available on touch screen.
10. With Voice warning 5-10 seconds before heating finish: remind operator to pick up bga chip on time. After heating, cooling fan will work automatic, when temperature cool down to room temperature (  $< 45^{\circ}\text{C}$  ), cooling system will stop automatic to prevent the heater from aging.
11. CE certification approval. Double protection: Overheating guard + emergency stop function.

With Manual and video demonstration CD-ROM, The information is easy to understand.

Training included if needed.

