



Shenzhen Dinghua Technology Development Co., LTD.

Product Introduction

Company Profile

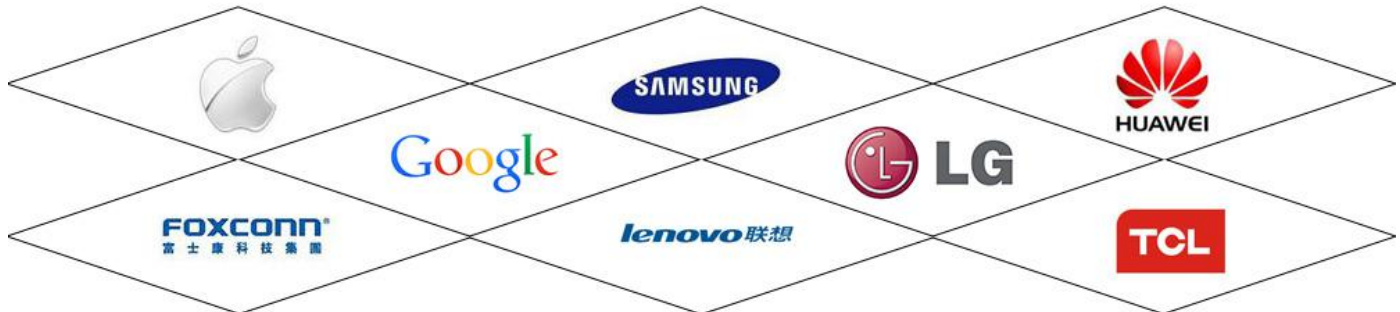


Shenzhen Dinghua Technology Development Co., LTD.

- Established in 2011 , years experiences in SMT/BGA rework industry.
- Research, Develop, Design, Manufacture and Export BGA Rework Station, Automatic Soldering Machine, Automatic Dispenser, Automatic Locking Screw Machine.
- 38 Patents And 97 Quality Control Process
- China National High-Tech Enterprise, IPC certified, SMT Association Membership, etc.
- One of leading manufacturers in China as a professional Rework Solution Provider.



Business Partners



Product Presentation



Honored Client



BGA Rework Station Model:DH-5830

- Intelligent man-machine & PLC control
- Applicable BGA size: 2*2-80*80mm
- Vacuum pen for handing BGA chip
- Repair Success Rate: 99%+
- Temp Accuracy:±2°C
- Touch screen control
- Manual operation

Specifications

Power	4500W
Top heater	Hot air 800W
Bottom heater	Hot air 1200W, Infrared 2400W
Power supply	AC220V±10% 50/60Hz
Dimension	L535*W650*H600 mm
Positioning	V-groove PCB support, and with external universal fixture
Temperature control	K type thermocouple, closed loop control, independent heating
Temperature accuracy	±2°C
PCB size	Max 355*335 mm, Min 50*50 mm
Workbench fine-tuning	±15mm forward/backward,±15mm right/left
BGA chip	80*80-2*2mm
Minimum chip spacing	0.15mm
Temp Sensor	1(optional)
Net weight	30kg

General Usages



BGA/IC replacement



motherbaord repair



Xbox plastation repair



Server CPU repair



iPad,Macbook repair



iPhone repair

Product Image



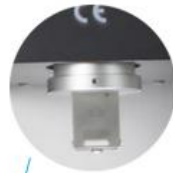
Function



Precise Temperature Control System

Even and focused heating effectively avoid fake or bad soldering and increase success rate of repairing.

- 8 segments rising temperature/constant time/temperature rising slope, It can save ten thousand groups temperature curves.
- It uses k-type thermocouple closed-loop control and PID automatic temperature compensation system, together with PLC and temperature module to enable precise temperature deviation to ± 2 degree centigrade.
- The external sensor can detect temperature precisely, analyze and calibrate the real temperature curve accurately at any time.



Top Heater (Hot Air 800W)

1. Reflow vent design ensure focused and even heating, effectively increase success rate of repairing chips.
2. Top hot air flow is adjustable, to meet the demand of any chips.



- Top heater can be equipped with different size of nozzles for different size of chip.
- Reflow vent design makes heating even, effectively increase success rate of repairing



2nd Bottom heater : hot air 1200W



3rd IR preheater :2400W

1. Three independent temperature zones adopt PID temp control
2. Infrared heating is more easily absorbed by PCB.
3. Prevent PCB from deformation more effectively
4. Make heating more evenly
5. Make the temp rising more steadily and stably



Vacuum pen

There are internal vacuum pump and external vacuum pen for assisting to fetch the BGA chip



Start button for heating



Function

Safety system

- Equipped with emergency stop when abnormal accident happens, with a double over-heating protection control.
- Powerful cross-flow cooling fan
- Leakage switch
- Voice warning
- Limit bar



Voice warning

5 seconds before soldering/desoldering process complete.



Limit bar

To protect the head in the right height from falling too low



Powerful Cross-flow cooling fan

- 1.Cooling fan produces cross cool air flow as soon as soldering/desoldering process finish, which effectively avoid deformation of PCB.
2. Extend continous working and life cycle



左发热板
LEFT HEATER



Left heater control button

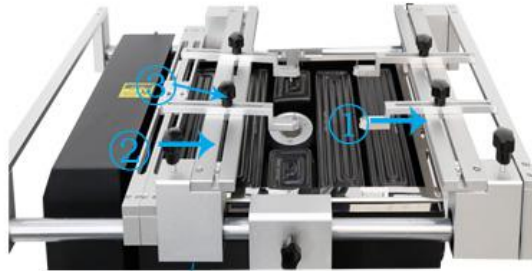
右发热板
RIGHT HEATER



Right heater control button

Function

Other Functions



Flexible ways available for PCB position

1. ①Position: V-groove+②PCB bracket+③universal fixtures. Different ways for different PCB.

Blowing Cylinder

2. Whole PCB table can be moved to left or right.

3. Composed of 16mm chrome plated rod. Very stable and strong.

LED headlamp

1. Super bright

2. Imported from Taiwan.

3. It can help you clearly see the melting condition of solder ball and check if there is any dirt on PCB and chip.



Fitting handle

Rotate the handle to lock the angle of the upper zone



Headlamp switch

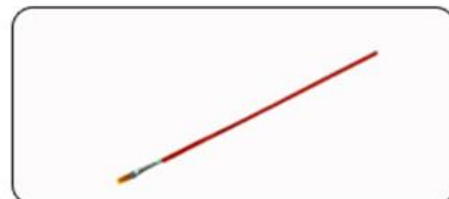


USB port

1. Transfer information(temperature profile) to computer.
2. Update system.



Packing List



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Thank You!

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