Factory Direct BGA Rework Station with Touch Screen PLC Control and Laser Positioning BGA Repair Machine WDS-650

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen,China
- Brand Name: WISDOMSHOW
- Certification: CE
- Model Number: WDS-650
- Minimum Order Quantity: 1pcs
- Packaging Details: wood carton
- Delivery Time: 5-8 working days
- Payment Terms: T/T
- Supply Ability: 200PCS/month



Product Specification

- COLOR: Black And Blue
- Total Power: 6800W
- Upper Heating Power: 1200W
- Lower Heating Power: 1200W
- Bottom IR Heating Power: 4000W (2000W Controllable)
- Power Supply: Single Phase AC220V±10%, 50Hz
- Positioning Method: V-slot, X/Y Adjustable PCB Bracket, Laser Positioning
- Temperature Control: K-type Thermocouple Closed-loop Control, Upper & Lower Independent Temperature Test, Accuracy ±1
- Control System: Touch Screen + PLC + Stepper Driver
- PCB Size: Max 470×380mm Min10×10mm
- PCB Thickness: Max 70×70mm Min1x1mm
- Min Chip Pitch: 0.15mm
- Temperature Measuring: 3 Pcs

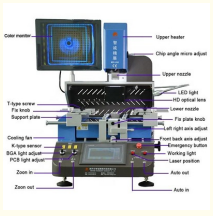


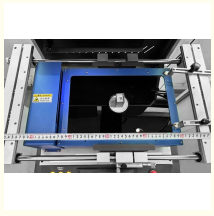
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Product Description

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WDS-650 is a high-precision optical alignment BGA rework station developed for SMT maintenance. It adopts Panasonic 5MP CCD HD camera, with mounting accuracy up to ±0.01mm. Equipped with independent upper, lower and bottom IR three heating zones, closed-loop K-type thermocouple temperature control ensures stable and reliable heating curve. It supports laser fast positioning, and the PCB bracket can be adjusted freely in X and Y directions. Suitable for disassembly, soldering and reballing of BGA, QFN and other IC chips on circuit boards, widely used in electronics repair, motherboard maintenance and SMT workshop.

Features

2. Panasonic 5 million pixels CCD HD optical camera, precision optical prism, clear dual-color alignment display (blue for IC chip, yellow for PCB solder joint).
3. Two micrometer adjustment structures: adjust PCB position and IC chip angle separately, realize ultra-precise alignment, greatly improve rework success rate.
4. Independent three heating zones: upper heater, lower heater and bottom infrared heater, separate temperature control, closed-loop K-type sensor, temperature accuracy ±1 .
5. Laser positioning light, V-shaped slot adjustable PCB bracket, X/Y free adjustment for fast positioning.
6. Support 1X–200X zoom observation, independent BGA light & PCB light brightness adjustment, convenient to check alignment status.

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7. Touch screen + PLC + stepper driver control system, with auto-in, auto-out, emergency stop function, safe and easy to operate.
8. Max mounting load 300g, suitable for various small and medium chips.

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