



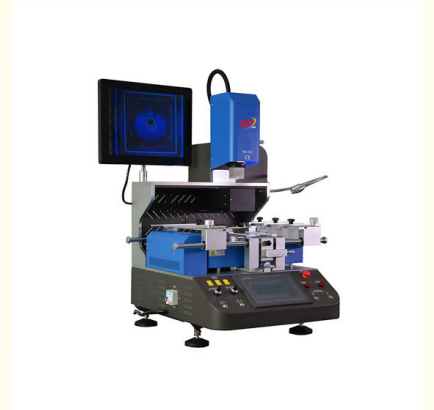
## WDS-650 BGA Rework Station Temperature Precision $\pm 1\text{C}$ Cpu Repair Solutions Delivering Accurate Fault Analysis and Maintenance

Our Product Introduction

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### Basic Information

- Brand Name: Wisdomshow
- Certification: CE
- Model Number: WDS-650
- Minimum Order Quantity: 1
- Packaging Details: Wooden Case
- Delivery Time: 3-5days
- Payment Terms: TT
- Supply Ability: 200

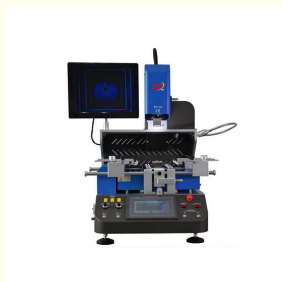


### Product Specification

- Maximum Load: 300g
- Total Power: 6800 W
- Temperature Precision:  $\pm 1$
- Machine Mode: Five Modes: Automatic Soldering, Automatic Removal, Automatic Placement, Semi-automatic, Manual
- Voltage: Single Phase AC 220V  $\pm 10\%$  / 50 Hz
- Dimensions: 82\*72\*89cm 90kg
- Type: Semi Automatic
- Applicable Pcb: 470 x 380 Mm(max)



### More Images



**Product Description:**

The Semi Automatic BGA Rework Station is an advanced and reliable solution designed for precise and efficient repair and rework of Ball Grid Array (BGA) components. This state-of-the-art equipment combines functionality with user-friendly operation, making it an essential tool for electronics manufacturing, repair shops, and quality control labs. With its innovative design and robust features, the Semi Automatic BGA Rework Station ensures high accuracy and repeatability in soldering and desoldering processes, minimizing risks of damage to sensitive electronic parts.

One of the standout features of this BGA rework station is its infrared preheating table, which provides uniform and controlled heating from beneath the printed circuit board (PCB). This preheating capability is critical for preventing thermal shock and warping of PCBs during the rework process. The infrared preheating table ensures the entire board reaches an optimal temperature gradually, thereby enhancing solder joint reliability and improving overall repair quality. This feature is especially beneficial for handling complex multi-layer PCBs and heat-sensitive components.

The Semi Automatic BGA Rework Station is designed to accommodate a minimum PCB size of 10 by 10 millimeters, making it versatile enough for a wide range of applications, from small consumer electronics to larger industrial devices. This flexibility allows technicians to work on various types of PCBs without the need for multiple machines, saving both time and resources.

In terms of power and heating capability, the station is equipped with a powerful down heater rated at 4000 watts, with 2000 watts being controllable for precise temperature management. This significant heating power ensures rapid and efficient heating of components, facilitating faster rework cycles and reducing downtime. The controllable heating element allows operators to fine-tune the temperature according to the specific requirements of different soldering tasks, protecting delicate components from overheating.

Despite its powerful performance, the Semi Automatic BGA Rework Station is thoughtfully engineered with compact overall dimensions of 655 \* 620 \* 590 millimeters. This compact footprint makes it suitable for various workspace environments, even those with limited space. However, the entire unit's physical dimensions are 82 \* 72 \* 89 centimeters, and it weighs approximately 90 kilograms, reflecting its sturdy construction and durable materials designed for long-term use.

Another practical advantage is that the station supports a minimum order quantity of just one piece, making it accessible for small businesses, startups, and individual technicians who require high-quality rework capabilities without committing to large volume purchases. This flexibility in ordering ensures that more professionals can benefit from advanced BGA rework technology without significant upfront investment.

The semi automatic functionality of this BGA rework station strikes the perfect balance between manual control and automation. It allows operators to oversee critical steps of the rework process while automating repetitive and precise movements, thereby reducing human error and increasing consistency. This semi automatic operation enhances productivity and ensures high-quality results in every repair job.

Overall, the Semi Automatic BGA Rework Station with its infrared preheating table, powerful down heater, and versatile size compatibility is a valuable investment for anyone involved in PCB repair and manufacturing. Its combination of accuracy, ease of use, and robust construction makes it a top choice for professionals seeking reliable and efficient BGA rework solutions. Whether you are repairing small 10x10mm PCBs or handling more complex boards, this station delivers superior performance, ensuring your electronic components are reworked with precision and care.

**Features:**

Product Name: Semi Automatic BGA Rework Station

Type: Semi Automatic for efficient and precise motherboard repair

Maximum Load Capacity: 300g, suitable for various BGA components

Temperature Precision: ± 1 ensures accurate temperature control

LCD Monitor: 15" Color LCD Monitor for clear and detailed display

Temperature Measuring Interface: Equipped with 3pcs sensors for reliable temperature monitoring

Includes an Infrared preheating table to evenly heat the motherboard during repair

Designed specifically for motherboard repair, enhancing repair quality and efficiency

**Technical Parameters:**

Type	Semi Automatic
Temp Measuring Interface	3pcs
Maximum Load	300g
LCD Monitor	15" Color LCD Monitor
Overall Dimension	655 * 620 * 590 mm
Temperature Precision	± 1
Applicable PCB	470 * 380 mm (max)
Control System	Touchscreen HMI + PLC Control
Dimensions	82 * 72 * 89 cm, 90kg
Minimum Order	1 Piece

## Applications:

The Wisdomshow WDS-650 Semi Automatic BGA Rework Station is an advanced and reliable tool designed specifically for precision motherboard repair and related electronic component rework. Originating from China, this CE-certified equipment is widely recognized for its high performance and user-friendly operation, making it an indispensable device in electronics repair workshops and manufacturing facilities. With a minimum order quantity of just one piece, it is accessible for both small businesses and large-scale operations alike. One of the key application occasions for the WDS-650 is in professional motherboard repair centers, where technicians require precise and efficient solutions to replace or reflow Ball Grid Array (BGA) components. The semi-automatic nature of this rework station enhances accuracy while reducing manual labor, ensuring consistent quality in delicate motherboard repairs. Its powerful 4000 W down heater, with 2000 W controlled output, allows for effective and uniform heating, minimizing thermal stress on sensitive components.

The inclusion of an Infrared preheating table further expands the scenarios in which the Wisdomshow WDS-650 excels. This feature prepares the printed circuit boards (PCBs) by gently warming them to optimal temperatures before the main rework process, reducing the risk of damage and improving solder joint reliability. The machine supports a minimum PCB size of 10\*10MM, making it versatile enough for a wide variety of electronic devices beyond just motherboards.

Equipped with a 15" color LCD monitor, the WDS-650 offers real-time visual feedback and precise control over the rework process, allowing technicians to monitor temperature profiles and adjust parameters as needed. Packaged securely in a wooden case for safe transportation, the device is readily available with a quick delivery time of 3-5 days and a supply ability of 200 units, ensuring timely fulfillment of orders.

Ideal for use in electronics manufacturing, repair shops, and research laboratories, the Wisdomshow WDS-650 Semi Automatic BGA Rework Station is a professional-grade solution tailored for efficient motherboard repair and component rework. Its combination of advanced heating technology, user-friendly interface, and robust build quality make it a preferred choice for technicians seeking precision and reliability in every repair task.



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