AC380V±10% BGA Rework Station with ±0.02mm Placement Accuracy and 760×630mm Max PCB Size for BGA Repair Machine

Our Product Introduction

Basic Information

- Brand Name: Wisdomshow
- Certification: CE
- Model Number: WDS-900
- Minimum Order Quantity: 1
- Packaging Details: Wooden Case
- Delivery Time: 3-5days
- Payment Terms: TT
- Supply Ability: 200Sets / Month



Product Specification

- Total Power: 9500W
- Placement Accuracy: ±0.02mm
- Power Supply: AC380V±10%, 50/60Hz
- Temperature Control: Closed-loop K-type Thermocouple, Upper & Lower Independent Heating, ±1°C Accuracy
- Applicable Chip Size: 0.8×0.8mm-80×80mm
- Thermocouple Ports: 5 Pcs
- Max PCB Size: 760×630mm
- Highlight: **AC380V BGA Rework Station**, **Stable Power Input BGA Station**, **Accurate Heat Control PCB Rework**

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Product Description

Product Description:

The Semi Automatic BGA Rework Station is an advanced and reliable solution designed for precise and efficient motherboard repair and other electronic component rework tasks. This state-of-the-art equipment offers exceptional performance, combining cutting-edge technology with user-friendly features to meet the demands of professional technicians and electronic repair centers.

One of the standout features of this rework station is its capability to handle large PCBs, with a maximum PCB size of 760×630mm. This generous working area allows technicians to work on a wide variety of motherboards and circuit boards, making it ideal for repairing laptops, desktops, and other complex electronic devices. The spacious platform ensures that even the largest motherboards can be accommodated with ease, facilitating smooth and efficient repair processes.

Precision is paramount when it comes to BGA rework, and this station excels in providing unparalleled placement accuracy of ±0.02mm. Such precision ensures that components are perfectly aligned during the reflow process, minimizing the risk of damage and enhancing the overall quality of repairs. This high degree of accuracy is critical when dealing with fine-pitch BGAs and other delicate surface-mount devices, where even the slightest misalignment can lead to functional failures.

The Semi Automatic BGA Rework Station employs advanced hot air heating technology, which is crucial for controlled and uniform heating during the rework process. The station features upper and lower independent heating elements, allowing for precise temperature management on both sides of the PCB. This dual heating system ensures that the heat is evenly distributed, reducing thermal stress and preventing damage to sensitive components.

Temperature control is managed through a closed-loop K-type thermocouple system, which includes 5 dedicated thermocouple ports. This sophisticated setup allows for real-time temperature monitoring and adjustment, maintaining an accuracy of ±1°C. Such precise thermal control is essential for achieving optimal solder reflow conditions, ensuring reliable solder joints and enhancing the longevity of repaired components.

The power supply for this BGA rework station is robust and stable, operating on AC380V±10% at 50/60Hz. This ensures consistent performance and reliable operation in various electrical environments, making it suitable for use in diverse industrial and repair settings. The stable power input supports the station's advanced heating and control systems, contributing to its overall efficiency and effectiveness.

In addition to its technical capabilities, the Semi Automatic BGA Rework Station is designed with user convenience in mind. Its semi-automatic operation streamlines the rework process, reducing manual intervention while maintaining high precision and control. This makes it an excellent choice for technicians seeking to improve productivity without compromising on quality.

Overall, this semi automatic BGA rework station combines large PCB compatibility, precise placement accuracy, advanced hot air heating technology, and sophisticated temperature control to deliver outstanding performance in motherboard repair and component rework. Its reliable power supply and user-friendly design further enhance its appeal as a professional-grade tool for electronic repair specialists. Whether you are repairing complex motherboards or performing intricate component replacements, this station provides the accuracy, control, and efficiency needed to achieve exceptional results.

Features:

Product Name: Semi Automatic BGA Rework Station

Thermocouple Ports: 5 Pcs for precise temperature measurement

Power Supply: AC380V±10%, 50/60Hz for stable operation

Temperature Control: Closed-loop K-type Thermocouple with Upper & Lower Independent Heating, ensuring ±1°C accuracy

Placement Accuracy: High precision placement with ±0.02mm accuracy

Applicable Chip Size: Supports chips ranging from 0.8×0.8mm to 80×80mm

Equipped with an Infrared preheating table to enhance heating efficiency

Ideal for motherboard repair and cpu repair tasks

Technical Parameters:

Power Supply	AC380V±10%, 50/60Hz
Max PCB Size	760×630mm
Temperature Control	Closed-loop K-type Thermocouple, Upper & Lower Independent Heating, ±1°C Accuracy
Placement Accuracy	±0.02mm
Applicable Chip Size	0.8×0.8mm - 80×80mm
Thermocouple Ports	5 Pcs
Total Power	9500W

Applications:

The Wisdomshow WDS-900 Semi Automatic BGA Rework Station is an advanced tool designed specifically for efficient and precise motherboard repair. Originating from Shenzhen, China, this CE-certified rework station guarantees high quality and reliability, making it an essential device for electronic repair professionals and technicians. With a maximum PCB size of 760×630mm and a total power of 9500W, it is well-suited for handling a wide range of motherboard repair tasks, from small-scale components to large circuit boards.

This rework station is ideal for various application occasions and scenarios, particularly in electronics manufacturing, repair centers, and research laboratories. Its placement accuracy of ±0.02mm ensures that components are aligned perfectly during the rework process, which is crucial for sensitive motherboard repair jobs. The five thermocouple ports enable precise temperature control on different parts of

the PCB, reducing the risk of heat damage and improving the success rate of motherboard repair operations.
Thanks to its semi-automatic design, the WDS-900 provides a balanced combination of manual control and automation, making it suitable for both experienced technicians and those still mastering motherboard repair techniques. The device supports a power supply of AC380V±10%, 50/60Hz, ensuring stable and consistent operation in various industrial and commercial environments.
In addition to its technical capabilities, the Wisdomshow WDS-900 is also designed with user convenience in mind. It is packaged securely in a wooden case for safe transportation and delivery within 3-5 days after order confirmation. Customers can enjoy flexible payment terms via TT, with a minimum order quantity of just one unit, making it accessible for both small businesses and large repair shops. The supply ability of 200 sets per month ensures timely availability for urgent motherboard repair projects.
Overall, the Wisdomshow WDS-900 Semi Automatic BGA Rework Station is a reliable, high-performance solution for motherboard repair, offering precision, efficiency, and ease of use in a wide range of professional scenarios.

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