Applicable Chip Size 0.8×0.8mm-80×80mm Semi Automatic BGA Rework Station Featuring 5 Thermocouple Ports and 9500W Total Power Optimized for PCB Rework

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

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

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Product Description

Product Description:

The Semi Automatic BGA Rework Station is a state-of-the-art solution designed for precision and efficiency in the repair and rework of Ball Grid Array (BGA) components. Engineered to meet the demanding needs of modern electronics manufacturing and repair, this rework station combines advanced technology with user-friendly features to deliver consistent, high-quality results.

One of the standout features of this Semi Automatic BGA Rework Station is its exceptional placement accuracy of ±0.02mm. This high level of precision ensures that components are accurately positioned on the PCB, minimizing the risk of misalignment and improving the overall reliability of the rework process. Such accuracy is crucial when dealing with delicate and densely packed BGA chips, where even the slightest deviation can lead to component failure or poor electrical connections.

Powering this robust device is a total power capacity of 9500W, supported by a reliable AC380V±10%, 50/60Hz power supply. This substantial power output enables the station to maintain stable and consistent heating across multiple zones, which is essential for effective rework operations. The power supply specification also ensures compatibility with a wide range of industrial power systems, making it suitable for diverse manufacturing environments around the globe.

The Semi Automatic BGA Rework Station features a thoughtfully designed three heating zone system, which significantly enhances the heating efficiency and temperature control during the rework process. These three independent heating zones allow for precise temperature management tailored to different areas of the PCB and the component itself. By optimizing heat distribution, the station minimizes thermal stress on the board and components, reducing the risk of damage and improving rework success rates.

Accommodating a wide range of PCB sizes, this rework station supports a maximum PCB dimension of 760×630mm. This generous capacity allows technicians to work on large and complex boards with ease, expanding the station's applicability across various industries and product types. Whether you are working on compact consumer electronics or larger industrial control boards, this BGA rework station provides the flexibility needed to handle diverse projects.

In addition to handling various PCB sizes, the Semi Automatic BGA Rework Station is compatible with a broad range of chip sizes, from as small as 0.8×0.8mm to as large as 80×80mm. This versatility makes it an ideal choice for repairing and reworking a wide spectrum of BGA components, from tiny microchips to substantial integrated circuits. The ability to accommodate such a range ensures that the station can serve multiple applications without the need for additional equipment.

Designed with semi-automatic operation, this BGA rework station strikes the perfect balance between manual control and automated precision. Operators benefit from intuitive controls and automation features that streamline the rework process, reduce human error, and enhance operational efficiency. This semi-automatic capability makes it accessible to both experienced technicians and those newer to BGA rework tasks, providing consistency and reliability in every use.

Overall, the Semi Automatic BGA Rework Station with its three heating zone design, outstanding placement accuracy, powerful heating capabilities, and wide compatibility with PCB and chip sizes represents a comprehensive solution for professional electronics repair and manufacturing. Its robust construction, advanced features, and user-friendly operation make it an indispensable tool for achieving high-quality BGA rework results consistently and efficiently.

Features:

Product Name: Semi Automatic BGA Rework Station

Temperature Control: Closed-loop K-type Thermocouple with ±1°C accuracy

Upper & Lower Independent Heating for precise temperature management

Maximum PCB Size: 760×630mm, suitable for large motherboard repair

Total Power Consumption: 9500W for efficient performance

Equipped with 5 Thermocouple Ports for versatile temperature monitoring

Power Supply: AC380V±10%, 50/60Hz

Includes an advanced optical alignment system for accurate component placement

Semi automatic operation enhances ease of use and repair efficiency

Designed specifically for motherboard repair and rework tasks

Technical Parameters:

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

Applications:

The Wisdomshow WDS-900 Semi Automatic BGA Rework Station is an advanced solution designed for precision and efficiency in various electronic repair and manufacturing applications. Equipped with a highly accurate optical alignment system, this rework station ensures placement accuracy of ±0.02mm, making it ideal for tasks that require meticulous component positioning. Its capability to handle chip sizes ranging from 0.8×0.8mm up to 80×80mm allows technicians to work on a wide variety of BGA components with confidence.

This rework station is particularly well-suited for CPU repair, where precision and thermal control are paramount. The WDS-900 features

five thermocouple ports, enabling accurate temperature monitoring and control on different parts of the PCB during the reflow process. With a maximum PCB size of 760×630mm, it can accommodate large boards commonly found in computer motherboards and other complex electronic devices.

Thanks to its semi-automatic functionality, the Wisdomshow WDS-900 streamlines the rework process, reducing manual intervention while maintaining high-quality results. Its optical alignment system ensures that each chip is perfectly positioned before soldering, minimizing errors and improving overall repair success rates. This makes it an indispensable tool in electronic repair shops, manufacturing lines, and quality control labs.

The product comes with CE certification, guaranteeing compliance with European safety and quality standards. Packaged securely in a wooden case, the WDS-900 is ready for delivery within 3-5 days after order confirmation. With a supply ability of 200 sets per month and a minimum order quantity of just one unit, it is accessible for both small repair shops and larger production facilities. Payment terms are flexible, with TT accepted for smooth transactions.

With a total power consumption of 9500W, this station provides robust heating capabilities necessary for efficient rework processes. Whether you are performing delicate CPU repair or addressing complex multi-layer PCB issues, the Wisdomshow WDS-900 Semi Automatic BGA Rework Station offers reliable performance enhanced by its sophisticated optical alignment system, making it a vital asset in modern electronics servicing and manufacturing environments.

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