Applicable Chip Size 0.6×0.6mm 80×80mm Semi Automatic BGA Rework Station Featuring 5 Thermocouple Ports and 7500W Total Power Ideal for PCB Rework

Our Product Introduction

Basic Information

- Brand Name: Wisdomshow
- Certification: CE
- Model Number: WDS-800D
- Minimum Order Quantity: 1
- Packaging Details: Wooden Case
- Delivery Time: 3-5days
- Payment Terms: TT
- Supply Ability: 200Sets / Month



Product Specification

- Temperature Control: Closed-loop K-type Thermocouple, Upper & Lower Independent Heating, ±1°C Accuracy
- Chip Magnification: 2-50X
- Thermocouple Ports: 5 Pcs
- Power Supply: AC220V±10%, 50/60Hz
- Total Power: 7500W
- Placement Accuracy: ±0.02mm
- Max PCB Size: 650×480mm
- Applicable Chip Size: 0.6×0.6mm-80×80mm



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Product Description

Product Description:

The Semi Automatic BGA Rework Station is a high-performance tool designed specifically for precise and efficient motherboard repair. With its advanced features and robust construction, this rework station is ideal for technicians and engineers who require accuracy, reliability, and versatility in their work. Whether you are repairing delicate components on a motherboard or handling intricate chip replacements, this semi automatic BGA rework station delivers exceptional results every time.

One of the standout features of this BGA rework station is its impressive total power output of 7500W. This high power capacity ensures quick and consistent heating, which is crucial for the successful reflow and removal of BGA chips without damaging the underlying components. The station is equipped with a three heating zone system, allowing for more uniform heat distribution across the board and chip area. This three heating zone design minimizes thermal stress and enhances the overall efficiency of the rework process, making it especially suitable for complex motherboard repair tasks.

The power supply requirements for the station are AC220V±10%, 50/60Hz, making it compatible with most standard electrical outlets worldwide. This flexibility ensures that technicians can rely on the station in various locations without worrying about power compatibility issues. The stable and reliable power input contributes to consistent performance, which is essential when working on sensitive electronic components.

Precision is critical when dealing with BGA components, and this semi automatic BGA rework station excels in this area with a placement accuracy of ±0.02mm. Such high precision ensures that chips are positioned perfectly during rework, reducing the risk of misalignment that can lead to poor electrical connections or component failure. This level of accuracy is particularly important for repairing motherboards where space is limited and components are densely packed.

The station supports a wide range of chip sizes, accommodating from as small as 0.6*0.6mm up to 80*80mm. This broad range makes the rework station versatile enough to handle various types of chips and components commonly found on motherboards and other electronic devices. Whether working on tiny, delicate chips or larger BGA packages, this station offers the flexibility needed to meet different repair demands.

For enhanced visibility and precision during the rework process, the station features a chip magnification capability ranging from 2X to 50X. This adjustable magnification allows technicians to closely inspect chips and solder joints, ensuring accurate placement and soldering quality. The magnification feature is invaluable for detailed motherboard repair work, where even the smallest imperfections can lead to significant issues.

As a semi automatic system, this BGA rework station balances automation with manual control, providing users the ability to fine-tune the rework process while benefiting from automated functions that improve efficiency and consistency. This hybrid approach reduces the learning curve for operators while maintaining the flexibility required for complex repairs.

In summary, the Semi Automatic BGA Rework Station is an essential tool for anyone involved in motherboard repair or electronic component rework. With its powerful 7500W output, three heating zone design, exceptional placement accuracy of ±0.02mm, wide chip size compatibility, and adjustable magnification from 2X to 50X, it offers unmatched precision and efficiency. The semi automatic operation ensures a perfect balance between control and convenience, making it a reliable and indispensable asset in any electronics repair workshop.

Features:

Product Name: Semi Automatic BGA Rework Station

Thermocouple Ports: 5 Pcs for precise temperature monitoring

Max PCB Size: 650*480mm, suitable for large motherboards

Chip Magnification: 2-50X for detailed optical alignment system

Temperature Control: Closed-loop K-type Thermocouple with upper & lower independent heating and ±1°C accuracy

Total Power: 7500W for efficient heating performance

Designed for semi automatic operation to enhance motherboard repair efficiency

Integrated optical alignment system ensures precise chip placement

Technical Parameters:

Temperature Control	Closed-loop K-type Thermocouple, Upper & Lower Independent Heating, ±1°C Accuracy, three heating zone
Total Power	7500W
Chip Magnification	2-50X
Applicable Chip Size	0.6*0.6mm-80*80mm
Thermocouple Ports	5 Pcs
Power Supply	AC220V±10%, 50/60Hz
Max PCB Size	650*480mm
Placement Accuracy	±0.02mm

Application	Three heating zone design ideal for cpu repair

Applications:

The Wisdomshow WDS-800D Semi Automatic BGA Rework Station is an advanced and reliable tool designed for precision electronic repair and manufacturing processes. Originating from Shenzhen, China, this CE-certified device is engineered to meet the demanding needs of professionals working with delicate and complex chip components. Featuring a three heating zone system, the WDS-800D ensures uniform and controlled heating, significantly reducing the risk of thermal damage during the rework process. This three heating zone design allows users to precisely manage temperature distribution across the board, which is essential for handling various chip sizes ranging from as small as 0.6*0.6mm up to 80*80mm.

Ideal for occasions where high accuracy and efficiency are crucial, this semi automatic BGA rework station is widely applicable in electronics repair shops, manufacturing lines, research and development labs, and quality control departments. Its placement accuracy of ±0.02mm guarantees precise alignment of components, ensuring optimal soldering results and minimizing errors. The built-in chip magnification feature, adjustable from 2 to 50 times, aids technicians in detailed inspection and placement tasks, enhancing operational precision.

With a total power output of 7500W and five thermocouple ports, the WDS-800D offers robust heating capabilities and comprehensive temperature monitoring for various soldering profiles. The semi automatic operation simplifies the rework process, balancing manual control with automated functions to improve productivity without compromising control. Packaged securely in a wooden case, the unit is shipped safely with a delivery time of just 3-5 days, making it a practical choice for urgent project requirements. Payment is facilitated through TT, and the supply ability stands at 200 sets per month, ensuring availability for both small and large-scale orders with a minimum order quantity of just one unit.

In summary, the Wisdomshow WDS-800D Semi Automatic BGA Rework Station is perfectly suited for scenarios that demand high precision, reliability, and efficiency in chip rework and soldering processes. Whether in electronics manufacturing, repair, or prototyping, this three heating zone semi automatic device provides the essential features and performance needed to handle a wide range of components safely and effectively.

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