Thermocouple Ports 5 Pcs BGA Rework Station Providing Placement Accuracy ±002mm Ensuring and Accurate PCB Component 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

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

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Product Description

Product Description:

The Semi Automatic BGA Rework Station is a highly advanced and reliable solution designed specifically for precise and efficient motherboard repair and CPU repair tasks. Built with cutting-edge technology, this rework station provides unparalleled performance and accuracy, making it an essential tool for electronics technicians and professionals working with complex circuit boards and delicate components.

One of the standout features of this Semi Automatic BGA Rework Station is its five thermocouple ports. These ports allow simultaneous monitoring of multiple temperature points, ensuring optimal heat distribution and control during the rework process. This multi-point temperature sensing capability significantly enhances the reliability of motherboard repair and CPU repair by preventing overheating and ensuring uniform heating across the board.

Temperature control is executed through a sophisticated closed-loop K-type thermocouple system. This system independently manages upper and lower heating elements, maintaining precise temperature regulation with an accuracy of ±1°C. Such meticulous control minimizes the risk of thermal damage to sensitive components and guarantees consistent reflow quality, which is critical when working on motherboards and CPUs where precision is paramount.

The placement accuracy of the Semi Automatic BGA Rework Station is an impressive ±0.02mm. This level of precision ensures that chips and components are positioned exactly where they need to be, which is vital for successful motherboard repair and CPU repair. Accurate placement reduces the chances of solder bridging, misalignment, or connection failures, thereby improving the overall reliability and functionality of repaired devices.

This rework station supports a wide range of chip sizes, from as small as 0.8×0.8mm to as large as 80×80mm. This versatility allows technicians to work on a diverse array of components, making it suitable for various motherboard repair scenarios and CPU repair applications. Whether dealing with tiny BGA chips or larger integrated circuits, this station adapts effortlessly to the task at hand.

Powering the Semi Automatic BGA Rework Station is a robust AC380V±10%, 50/60Hz power supply. This ensures stable and consistent performance throughout operation, even during long repair sessions. The reliable power input supports the station's advanced heating and control systems, which are essential for achieving high-quality results in motherboard repair and CPU repair jobs.

In addition to its technical specifications, the Semi Automatic BGA Rework Station is designed with user convenience and safety in mind. Its intuitive interface and semi-automatic operation streamline the rework process, reducing operator fatigue and the likelihood of human error. This makes it an ideal choice for both experienced professionals and technicians looking to enhance their motherboard repair and CPU repair capabilities.

To summarize, the Semi Automatic BGA Rework Station combines precise temperature control with exceptional placement accuracy and versatile chip size compatibility. Its advanced thermocouple system and independent heating elements ensure that motherboard repair and CPU repair tasks are performed with the highest level of quality and reliability. Powered by a stable AC380V±10%, 50/60Hz supply, this rework station stands out as a top-tier tool for anyone involved in electronics repair and maintenance.

Investing in this Semi Automatic BGA Rework Station means equipping your workshop with a dependable, efficient, and technologically advanced tool that enhances the success rate of motherboard repair and CPU repair projects. Its features are thoughtfully designed to meet the demanding requirements of modern electronics repair, making it a valuable asset for any professional in the field.

Features:

Product Name: Semi Automatic BGA Rework Station

Placement Accuracy: ±0.02mm for precise component alignment

Maximum PCB Size: Supports up to 760×630mm boards

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

Temperature Control: Closed-loop K-type Thermocouple with upper & lower independent heating

Temperature Accuracy: ±1°C ensuring consistent heating performance

Total Power: 9500W for efficient heating

Infrared preheating table to evenly preheat PCBs before rework

Designed for cpu repair with high precision and reliability

Equipped with three heating zones for optimal temperature distribution

Technical Parameters:

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

Applications:

The Wisdomshow WDS-900 Semi Automatic BGA Rework Station is an advanced and reliable solution designed for precise and efficient chip repair and rework applications. Certified with CE, this high-performance machine is ideal for electronic repair professionals and manufacturing facilities that demand accuracy and durability in their operations. With a maximum PCB size of 760×630mm and support

for chip sizes ranging from 0.8×0.8mm to 80×80mm, the WDS-900 accommodates a wide variety of circuit boards, making it suitable for diverse electronic components.
One of the standout features of the WDS-900 is its integrated optical alignment system, which ensures precise positioning of chips during the rework process. This system significantly reduces errors and enhances the success rate of CPU repair and other delicate chip replacements. The semi-automatic functionality allows technicians to work efficiently, maintaining high productivity without compromising on quality.
The rework station is equipped with three heating zones, allowing for controlled and uniform heating across the PCB. This tri-zone heating design helps prevent thermal stress and damage to sensitive components, ensuring safer and more effective soldering and desoldering operations. With five thermocouple ports, users can monitor temperature at multiple points, guaranteeing precise thermal management throughout the process.
Powered by a robust 9500W total power supply and operating on AC380V±10%, 50/60Hz, the WDS-900 delivers consistent and powerful performance suitable for demanding repair tasks. Its packaging in a sturdy wooden case ensures safe transportation and storage, reflecting the brand's commitment to quality and customer satisfaction. With a supply ability of 200 sets per month and a delivery time of just 3-5 days, this rework station supports both small-scale repairs and larger production needs.
Payment terms via TT make transactions straightforward and secure, while the minimum order quantity of just one unit enables easy access for individual repair shops or larger enterprises. Overall, the Wisdomshow WDS-900 Semi Automatic BGA Rework Station is an excellent choice for professionals seeking a reliable, efficient, and precise tool for CPU repair and complex chip rework tasks, supported by cutting-edge features such as the optical alignment system and three heating zones.

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