50 60Hz Power Supply Semi Automatic BGA Rework Station Featuring 9500W Total Power and ±1°C Accuracy Temperature Control for 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

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

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Product Description

Product Description:

The Semi Automatic BGA Rework Station is an advanced and highly efficient tool designed specifically for precision motherboard repair and rework tasks. Engineered to handle a wide range of chip sizes, this station supports an applicable chip size from as small as 0.8×0.8mm up to 80×80mm, making it versatile enough to accommodate various BGA components used in modern electronic devices. Whether you are working on small-scale repairs or larger, more complex circuit boards, this rework station provides the flexibility and accuracy you need to achieve professional results.

One of the standout features of this Semi Automatic BGA Rework Station is its ability to accommodate large printed circuit boards (PCBs) with a maximum size of 760×630mm. This ample workspace ensures that technicians can comfortably work on motherboards from laptops, desktops, and other electronic equipment without the need to constantly reposition the board. This significantly enhances workflow efficiency and minimizes the risk of damage during handling.

Precision is paramount in motherboard repair, and this rework station excels in this area with an impressive placement accuracy of ±0.02mm. Such high precision ensures that BGA components are aligned perfectly with the PCB pads, which is critical for achieving reliable solder joints and maintaining the integrity of the electronic connections. Accurate placement reduces the likelihood of defects such as solder bridges or insufficient solder, which can lead to device failure.

Temperature control is a crucial aspect of any BGA rework process, and this station is equipped with a sophisticated closed-loop K-type thermocouple system. This system enables independent heating for both the upper and lower heating elements, allowing for precise temperature management tailored to the specific requirements of each rework job. With temperature accuracy maintained within ±1°C, users can confidently perform soldering and desoldering operations without the risk of overheating or damaging sensitive components and substrates.

The Infrared preheating table integrated into the rework station plays a vital role in the motherboard repair process. It provides uniform and controlled preheating of the PCB, which helps to reduce thermal stress and prevent warping or cracking during the rework procedure. By gradually bringing the board to the desired temperature before the main reflow operation, the Infrared preheating table enhances the overall quality of the repair and extends the lifespan of the motherboard.

With a total power consumption of 9500W, this Semi Automatic BGA Rework Station delivers robust heating performance, ensuring rapid temperature ramp-up and stable operation throughout the rework process. This high power output supports efficient heating cycles, reducing downtime and increasing throughput in repair workshops or manufacturing environments.

In summary, the Semi Automatic BGA Rework Station is an indispensable tool for professionals involved in motherboard repair. Its wide chip size applicability, large PCB handling capability, exceptional placement precision, advanced temperature control with closed-loop K-type thermocouples, and the inclusion of an Infrared preheating table collectively provide a comprehensive solution for high-quality BGA rework tasks. Whether you are repairing motherboards for consumer electronics, industrial equipment, or other applications, this rework station offers the reliability, accuracy, and power needed to achieve excellent results consistently.

Features:

Product Name: Semi Automatic BGA Rework Station

Power Supply: AC380V±10%, 50/60Hz

Max PCB Size: 760×630mm

Placement Accuracy: ±0.02mm for precise cpu repair

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

Total Power: 9500W

Semi automatic operation enhances efficiency in cpu repair tasks

Technical Parameters:

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

Applications:

The Wisdomshow WDS-900 Semi Automatic BGA Rework Station is an essential tool designed for precision and efficiency in various electronics repair and manufacturing scenarios. With its advanced optical alignment system, this rework station ensures unparalleled placement accuracy of ±0.02mm, making it ideal for delicate tasks such as motherboard repair where precision is critical. The ability to handle chips ranging from 0.8×0.8mm to 80×80mm makes it versatile enough to accommodate a wide range of BGA components.

This rework station is especially suitable for electronics repair shops and manufacturing lines that require reliable and high-quality rework solutions. The WDS-900's hot air heating technology provides uniform and controlled heating, which is crucial for safely removing and re-soldering components without damaging the PCB or surrounding parts. Its maximum PCB size capacity of 760×630mm allows technicians to work on a variety of board sizes, from small circuit boards to large motherboards, enhancing its usability in different repair scenarios.

Certified with CE, the Wisdomshow WDS-900 meets international safety and quality standards, giving users confidence in its performance

and reliability. The unit operates on a power supply of AC380V±10%, 50/60Hz, with a total power of 9500W, ensuring robust and stable operation throughout the rework process. Packaged securely in a wooden case, it is shipped with a delivery time of just 3-5 days and backed by a supply ability of 200 sets per month, making it readily available for immediate use in busy repair centers.
Whether you are engaged in motherboard repair, component replacement, or prototype development, the Wisdomshow WDS-900 Semi Automatic BGA Rework Station offers an efficient and precise solution. Its combination of optical alignment system, hot air heating, and broad chip size compatibility makes it a valuable asset for electronics technicians who demand accuracy and reliability in their work. The minimum order quantity of just one set and convenient payment terms via TT add to the accessibility and practicality of this professional-grade rework station.

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