



WDS-580 5200W Manual BGA Rework Station with 3 Heating Zones and PLC Temperature Control for Precise BGA Repair

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: WDS
- Model Number: WDS580
- Minimum Order Quantity: 1
- Price: US\$990-1280 Unit Price
- Packaging Details: Wooden Box

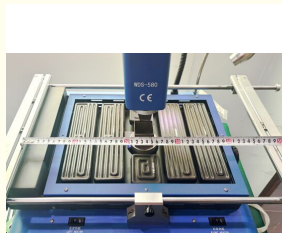


Product Specification

- Min Pcb Size: 10×10mm
- Feature: Efficient
- Power Consumption: 5200W
- Power Supply: AC 220V/110V
- Chip Size: Mini 1*1mm
- Application: BGA Rework And Repair
- Warranty: 1 Year
- Overall Dimension: 650*6500*610mm
- Highlight: **5200W Manual BGA Rework Station,
3 Heating Zones BGA Rework Station,
PLC Temperature Control BGA Repair Station**



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Product Description:

The Manual BGA Rework Station is a highly efficient and reliable solution designed for precision heating and infrared preheating tasks, making it an essential tool for advanced PCB repair and refurbishment. With its robust construction and user-friendly interface, this rework station is tailored to meet the demands of professionals who require accuracy and consistency in their rework processes.

One of the standout features of this Manual BGA Rework Station is its efficiency in delivering precise heating control. The station employs advanced infrared preheating technology, which ensures uniform heat distribution across the PCB. This not only minimizes thermal stress on sensitive components but also significantly reduces the risk of damage during the rework process. The infrared preheating capability is particularly beneficial for complex PCB repair tasks, where delicate components must be handled with care to maintain the integrity of the board.

Designed with practicality in mind, this rework station boasts an overall dimension of 650*650*610mm, providing a compact yet spacious workspace that fits comfortably in most repair environments. Despite its manageable size, the station is engineered to accommodate a wide range of PCB sizes and configurations, offering versatility for various repair and rework applications. Its ergonomic design ensures that technicians can operate the station with ease, enhancing productivity and reducing fatigue during extended use.

The Manual BGA Rework Station comes equipped with a temperature measuring interface, allowing users to monitor and control the heating process accurately. This feature is critical in maintaining the optimal temperature required for effective soldering and desoldering operations. By providing precise temperature feedback, the interface helps prevent overheating and ensures that the PCB and components are subjected to the correct thermal profile, which is crucial for successful PCB repair.

Weighing in at 45kg, the station strikes a balance between portability and stability. Its solid construction guarantees that it remains steady during operation, preventing any accidental movements that could compromise the delicate rework process. The weight also reflects the quality of materials used in its build, promising durability and long-term reliability in demanding repair scenarios.

In addition to its technical capabilities, the Manual BGA Rework Station offers peace of mind with a comprehensive 1-year warranty. This warranty underscores the manufacturer's confidence in the product's performance and durability, providing users with assurance and support throughout their investment. Whether you are engaged in routine PCB repair or complex component replacement, this warranty ensures that your equipment remains in optimal working condition.

In summary, the Manual BGA Rework Station is an efficient, well-designed, and dependable tool that excels in heating and infrared preheating applications. Its precise temperature control, suitable dimensions, and solid build make it an ideal choice for professionals involved in PCB repair and maintenance. Backed by a 1-year warranty, this station promises to deliver consistent performance and reliability, making it an indispensable asset in any electronics repair workshop.

Features:

- Product Name: Manual BGA Rework Station
- Warranty: 1 Year
- Power Supply: AC 220V/110V
- Minimum PCB Size: 10×10mm, suitable for small PCB
- Temperature Measuring Interface: 1pcs
- Temperature Control: PLC for precise regulation
- Features 3 heating zones for efficient and even heating
- Equipped with a user-friendly touch screen for easy operation

Technical Parameters:

Weight	45kg
Feature	Efficient
Tem Measuring Interface	1pcs
Warranty	1 Year
Overall Dimension	650*650*610mm
Type	Soldering Station
Temperature Control	PLC
Power Consumption	5200W
Application	BGA Rework And Repair
Chip Size	Mini 1*1mm
Heating Zones	3 heating zone
Description	Manual BGA Rework Station is efficient soldering equipment featuring 3 heating zone for precise temperature control.

Applications:

The WDS580 Manual BGA Rework Station, manufactured by WDS in China, is an efficient and reliable solution designed for precise heating applications in electronics repair and manufacturing. Its advanced PLC temperature control system ensures accurate and consistent heating, making it ideal for delicate operations such as BGA (Ball Grid Array) component rework. Whether you are a professional technician or an electronics hobbyist, the WDS580 offers excellent performance with the added benefit of low weight, making it highly portable and easy to handle during intricate repair tasks.

This rework station is perfectly suited for a variety of application occasions and scenarios where precise heating is crucial. In electronics repair shops, the WDS580 can be used to remove and re-solder BGA chips on motherboards, graphic cards, and other circuit boards without damaging surrounding components. Its single temperature measuring interface allows for precise monitoring and adjustment of the heating process, ensuring components are heated evenly and safely. This makes it an essential tool during the refurbishment of smartphones, laptops, and other consumer electronics.

In manufacturing environments, the WDS580 is used for quality control and assembly line repairs, where efficient heating is necessary to guarantee the integrity of solder joints. The PLC temperature control system provides stability and repeatability, which is vital for maintaining high production standards. Additionally, its low weight design reduces operator fatigue during prolonged use, enhancing productivity and comfort in busy work settings.

Educational institutions and training centers also benefit from the WDS580 for hands-on learning in electronics courses. Students gain practical experience in heating and reworking BGA components, preparing them for careers in electronics repair and manufacturing. The one-year warranty offered by WDS ensures that users have peace of mind regarding the durability and reliability of the product.

Overall, the WDS580 Manual BGA Rework Station is an efficient, lightweight, and precise tool designed for various heating applications related to BGA component rework. Its advanced temperature control and user-friendly features make it suitable for repair shops, manufacturing lines, educational purposes, and any scenario requiring meticulous heating and re-soldering of electronic components.

Customization:

The WDS580 Manual BGA Rework Station by WDS is a highly efficient soldering equipment designed for precision and reliability.

Originating from China, this soldering station features a user-friendly touch screen interface that simplifies operation and enhances control. It is specially designed to handle mini chip sizes as small as 1×1mm, making it ideal for delicate and detailed work.

This model includes a preheating table that supports a minimum PCB size of 10×10mm, ensuring optimal temperature management and improved soldering quality. Weighing 45kg, the WDS580 offers a robust and stable platform for various rework applications, combining efficiency with durability to meet professional soldering needs.

Support and Services:

Our Manual BGA Rework Station provides comprehensive technical support and services to ensure optimal performance and customer satisfaction. The station is designed for precise and efficient rework of Ball Grid Array (BGA) components on printed circuit boards (PCBs).

Technical support includes guidance on setup, operation, and maintenance of the rework station. Our support team offers detailed instructions on temperature control, nozzle selection, and alignment techniques to achieve accurate rework results.

Services include troubleshooting assistance, firmware updates, and calibration support to maintain the accuracy and reliability of the station. We also provide training materials and user manuals to help users maximize the capabilities of the equipment.

For repair and spare parts, we ensure the availability of genuine components to extend the lifespan of your rework station. Our technicians are equipped to handle repairs efficiently, minimizing downtime.

We are committed to delivering timely and effective support to help you achieve high-quality BGA rework outcomes with ease and confidence.

Packing and Shipping:

Product Packaging and Shipping:

The Manual BGA Rework Station is carefully packaged to ensure safe delivery. It is securely packed in a sturdy box with protective foam inserts to prevent damage during transit. The package includes the rework station unit, necessary accessories, an instruction manual, and a warranty card.

Shipping is handled through reliable carriers with tracking options available. We offer various shipping methods to meet your needs, including standard and expedited delivery. Each shipment is thoroughly inspected before dispatch to guarantee product quality and customer satisfaction.

FAQ:

Q1: What is the brand and model of this Manual BGA Rework Station?

A1: The brand is WDS and the model number is WDS580.

Q2: Where is the WDS580 Manual BGA Rework Station manufactured?

A2: It is made in China.

Q3: What types of components can the WDS580 rework station handle?

A3: The WDS580 is designed for precise rework of BGA (Ball Grid Array) components and other surface-mounted devices.

Q4: Does the WDS580 support adjustable temperature control?

A4: Yes, the WDS580 features adjustable temperature settings to accommodate different soldering and rework requirements.

Q5: Is the WDS580 suitable for both professional repair shops and hobbyists?

A5: Yes, the WDS580 Manual BGA Rework Station is user-friendly and suitable for both professional technicians and electronics hobbyists.



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