



WDS-580 Manual BGA Rework Station with 5200W Power and PLC Temperature Control for Mini 1x1mm Chip Size

Basic Information

- Place of Origin: CHINA
- Brand Name: WDS
- Model Number: WDS580



Product Specification

- Application: BGA Rework And Repair
- Min Pcb Size: 10×10mm
- Tem Measuring Interface: 1pcs
- Power Supply: AC 220V/110V
- Type: Soldering Station
- Warranty: 1 Year
- Chip Size: Mini 1*1mm
- Overall Dimension: 650*650*610mm
- Highlight: 5200W Power BGA Rework Station, PLC Temperature Control BGA Rework Station, Mini 1x1mm Chip Size BGA Repair Station



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Product Description:

The Manual BGA Rework Station is a high-performance, reliable tool designed specifically for motherboard repair and small PCB mounting tasks. With a power consumption of 5200W, this rework station delivers efficient heating and precise temperature control, ensuring high-quality results during the delicate process of soldering and desoldering BGA components. Its robust power output allows for quick heating and stable temperature maintenance, making it an essential addition to any electronics repair workshop.

Weighing only 45kg, the Manual BGA Rework Station stands out for its relatively low weight compared to other heavy-duty rework systems. This advantage significantly enhances its portability and ease of handling, allowing technicians to maneuver the device effortlessly across different workstations or even transport it to various job sites. Despite its lightweight design, the station maintains durability and robust construction, making it a dependable tool for frequent use.

One of the key features of this rework station is its advanced temperature control system, managed through a PLC (Programmable Logic Controller). This technology offers precise and stable temperature regulation, which is crucial for sensitive components on motherboards and other small PCBs. The PLC system enables the user to set and maintain exact temperature parameters, reducing the risk of overheating or damaging delicate electronic parts during the mounting or repair process.

The Manual BGA Rework Station is equipped with a single temperature measuring interface, allowing for accurate and real-time monitoring of the heating element's temperature. This feature ensures that the temperature remains within the desired range, providing consistent results and minimizing the chances of errors during motherboard repair or when mounting components on small PCBs. The temperature feedback system enhances the overall reliability and effectiveness of the rework process.

Designed with user convenience in mind, this station offers intuitive controls and a straightforward interface, making it suitable for both experienced technicians and those new to motherboard repair. Its manual operation mode provides flexibility and control, enabling users to adjust heating parameters according to the specific requirements of different BGA packages and PCB designs. This adaptability makes it an excellent choice for a wide range of repair and mounting applications.

In addition to its technical capabilities, the Manual BGA Rework Station's compact and ergonomic design helps save valuable workspace, a critical factor when working with small PCBs or intricate motherboard assemblies. The station's layout facilitates easy access to the work area, improving visibility and precision during the rework process. This design focus on efficiency and usability helps technicians achieve better outcomes in less time.

Whether you are performing motherboard repair, mounting BGAs, or working with other small PCB components, the Manual BGA Rework Station provides the necessary features and performance to meet your demands. Its combination of low weight, powerful heating capacity, precise PLC-based temperature control, and reliable temperature measurement makes it an indispensable tool for professional electronics repair and assembly tasks.

Overall, this rework station is engineered to deliver high accuracy, durability, and ease of use, making it a valuable asset for anyone involved in the intricate work of motherboard repair or small PCB mounting. Investing in this Manual BGA Rework Station means ensuring consistent quality, reducing repair times, and enhancing the reliability of your electronic assemblies.

Features:

- Product Name: Manual BGA Rework Station
- Efficient soldering station designed for precise mount and rework tasks
- Supports mini chip size as small as 1*1mm
- Accurate temperature control via advanced PLC system
- Includes 1 temperature measuring interface for precise monitoring
- High power consumption of 5200W for stable and consistent performance

Technical Parameters:

Temperature Control	PLC
Power Consumption	5200W
Application	BGA Rework And Repair
Overall Dimension	650*6500*610mm
Warranty	1 Year
Advantage	Low Weight
Power Supply	AC 220V/110V
Tem Measuring Interface	1pcs
Feature	Efficient
Min PCB Size	10x10mm

Applications:

The WDS580 Manual BGA Rework Station, manufactured by WDS in China, is an essential tool designed specifically for BGA rework and repair tasks. With a robust weight of 45kg, this rework station offers stability and precision, making it ideal for professionals and technicians working in electronics repair and manufacturing environments. Its compact design supports chip sizes as small as 1x1mm, ensuring even the most delicate components can be handled with accuracy.

This rework station excels in various application occasions, particularly in motherboard repair. Whether you are repairing damaged motherboards, performing component replacements, or addressing soldering defects, the WDS580 provides reliable desoldering capabilities that facilitate the removal of BGA chips without damaging the PCB or surrounding components. The minimum PCB size supported is 10×10mm, allowing it to accommodate small and intricate circuit boards commonly found in smartphones, laptops, and other electronic devices.

In scenarios where precise heat application and component placement are critical, the WDS580 proves invaluable. Its manual operation allows technicians to control the rework process carefully, reducing the risk of overheating or damaging sensitive parts. This makes it perfect for use in electronics repair workshops, production lines, and educational institutions where hands-on training in soldering and desoldering is required.

Furthermore, the WDS580 Rework Station comes with a 1-year warranty, ensuring dependable performance and peace of mind for users. Its versatility and ease of use make it suitable for a wide range of rework applications, including chip replacement, PCB refurbishment, and prototype development. Whether you are addressing small-scale repairs or complex rework projects, this station stands out as a reliable solution that enhances efficiency and accuracy in electronic component handling.

In summary, the WDS580 Manual BGA Rework Station is perfectly suited for demanding rework and desoldering tasks, especially in motherboard repair and other delicate electronics servicing scenarios. Its precise control, adaptability to small chip sizes, and solid build quality make it an indispensable tool for professionals aiming to achieve high-quality repair results.

Customization:

The WDS580 Manual BGA Rework Station by WDS is a high-quality soldering station designed for precise pcb repair. Featuring advanced infrared preheating technology, this soldering station ensures efficient and uniform heating for delicate components. Equipped with a PLC temperature control system and a single temperature measuring interface, the WDS580 offers accurate and reliable temperature regulation throughout the rework process.

With overall dimensions of 650*6500*610mm, this soldering station provides a spacious and ergonomic workspace, making it ideal for professional and industrial applications. Manufactured in CHINA, the WDS580 comes with a 1-year warranty, guaranteeing durability and customer satisfaction. Trust the WDS580 for your manual BGA rework needs and experience superior performance in pcb repair.

Support and Services:

Our Manual BGA Rework Station is designed to provide precise and reliable soldering and desoldering solutions for Ball Grid Array (BGA) components. To ensure optimal performance and longevity of the equipment, please follow the guidelines below:

Technical Support:

We offer comprehensive technical support to assist you with installation, operation, and troubleshooting of the Manual BGA Rework Station. Our support team is equipped to help with software updates, calibration, and addressing any technical issues that may arise during use.

Maintenance Services:

Regular maintenance is crucial for the efficient functioning of the rework station. This includes cleaning the heating elements, checking the vacuum system, and inspecting electrical connections. We recommend scheduling periodic maintenance checks to prevent unexpected downtime.

Training and Resources:

To maximize the capabilities of the Manual BGA Rework Station, we provide training sessions and detailed user manuals. These resources cover operational best practices, safety precautions, and advanced rework techniques to enhance your proficiency.

Warranty and Repairs:

The product comes with a standard warranty covering manufacturing defects and hardware malfunctions. In case of any issues, repair services are available to restore the unit to full functionality using genuine replacement parts.

Upgrades and Accessories:

We offer a range of compatible accessories and upgrade options to expand the functionality of your rework station. Please consult the product catalog or technical support for recommendations tailored to your specific needs.

For detailed information on service procedures or to request support, please refer to the product documentation provided with your Manual BGA Rework Station.

Packing and Shipping:

Product Packaging:

The Manual BGA Rework Station is securely packaged to ensure safe delivery. It is carefully placed in a sturdy cardboard box with foam inserts to protect the unit from shocks and vibrations during transit. All accessories, including the soldering iron, heating element, power cables, user manual, and any additional tools, are individually wrapped and organized within the package to prevent damage and loss.

Shipping:

We offer reliable shipping services worldwide. The Manual BGA Rework Station is shipped via trusted courier partners with tracking information provided upon dispatch. Standard and expedited shipping options are available to meet your needs. Orders are processed promptly, and care is taken to ensure the product arrives in perfect condition and on time. International shipments may be subject to customs duties and taxes, which are the responsibility of the recipient.

FAQ:

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

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

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

A2: This product is made in China.

Q3: What types of components can the WDS580 BGA Rework Station handle?

A3: The WDS580 is designed for repairing and reworking BGA, QFP, and other surface-mounted devices (SMD).

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 and hobbyist use?

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



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