



## WDS-580 5200W Manual BGA Rework Station with PLC Temperature Control for 10×10mm Min PCB Size 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

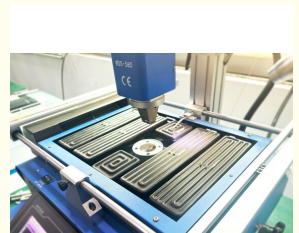
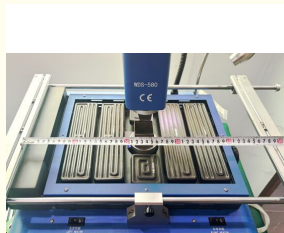


### Product Specification

- Tem Measuring Interface: 1pcs
- Warranty: 1 Year
- Feature: Efficient
- Min Pcb Size: 10×10mm
- Temperature Control: PLC
- Power Consumption: 5200W
- Application: Rework BGA
- Type: Soldering Station
- Advantage: Low Weight
- Display: Digital LCD Display
- Pcb Size: Mini 10\*10mm
- Pcb Thickness: 0.3\*5mm



### More Images



**Product Description:**

The Manual BGA Rework Station is a highly efficient and reliable solution designed for precision BGA rework and repair tasks. Engineered to meet the demanding requirements of electronics professionals, this rework station offers exceptional performance, making it an indispensable tool for mounting and repairing BGA components on printed circuit boards (PCBs). With a robust build and user-friendly operation, it ensures accurate heating and temperature control, which is critical for successful BGA rework processes. One of the standout features of this manual BGA rework station is its advanced PLC temperature control system. The PLC (Programmable Logic Controller) allows for precise and stable temperature regulation, ensuring that the heating elements maintain consistent temperatures throughout the rework procedure. This level of control is vital for preventing damage to sensitive components and for achieving optimal solder joint quality. Users can easily set and monitor the temperature parameters, providing confidence and accuracy during the mounting and repair of BGA packages. Designed for versatility, the station supports a minimum PCB size of 10x10mm, making it suitable for a wide range of board sizes and applications. Whether working on small, intricate PCBs or larger assemblies, this rework station delivers consistent results. Its capability to handle various PCB dimensions enhances its adaptability in different electronics repair and manufacturing environments. Weighing in at 45kg, the Manual BGA Rework Station is solidly constructed to provide stability during operation. The substantial weight helps minimize vibrations and movement, which is crucial when performing delicate rework tasks. Despite its sturdy build, the station is designed with user ergonomics in mind, ensuring ease of use and efficient workflow during the mounting and heating processes. Heating is a fundamental aspect of any BGA rework procedure, and this station excels in delivering uniform and controlled heat. The heating system is engineered to provide rapid and even heat distribution, which helps in safely melting solder without causing thermal stress to the components or the PCB. This precise heating capability reduces the risk of defects such as solder bridges or insufficient solder joints, thereby enhancing the reliability of the repaired assemblies. In addition to its technical capabilities, the Manual BGA Rework Station is backed by a comprehensive 1-year warranty. This warranty provides peace of mind to users, assuring them of the product's quality and durability. Should any issues arise during normal use within the warranty period, professional support and service are readily available to address and resolve concerns promptly. Overall, this Manual BGA Rework Station is an excellent investment for technicians and engineers who require a dependable tool for BGA mounting and repair. Its combination of precise PLC temperature control, versatile PCB compatibility, solid construction, and effective heating capabilities make it an essential device in any electronics repair workshop. Whether you are refurbishing defective boards or assembling new ones, this rework station will help you achieve professional-grade results with ease and confidence.

**Features:**

- Product Name: Manual BGA Rework Station
- Efficient performance for quick and precise rebalancing
- Ideal for motherboard repair and desoldering tasks
- Advanced PLC temperature control for accurate heat management
- Power Consumption: 5200W, ensuring powerful operation
- Compact design with a weight of 45kg for easy handling
- Comes with a 1 Year warranty for reliable quality assurance

**Technical Parameters:**

Temperature Control	PLC
Warranty	1 Year
Chip Size	Mini 1*1mm
Power Supply	AC 220V/110V
Feature	Efficient
Min PCB Size	10x10mm
Type	Soldering Station
Temperature Measuring Interface	1pcs
Power Consumption	5200W
Advantage	Low Weight

**Applications:**

The WDS Manual BGA Rework Station, model WDS580, manufactured in China, is an essential tool designed specifically for precision soldering tasks. With its robust overall dimensions of 650\*6500\*610mm, this soldering station is tailored for BGA rework and repair, making it an ideal choice for electronics professionals and technicians who require reliability and accuracy in their work. One of the standout features of the WDS580 is its accurate temperature control system, which ensures that the rework process is carried out with precision. The station is equipped with a temperature measuring interface that allows real-time monitoring of the heat applied during the reflow process. This accurate temperature regulation is critical when dealing with sensitive components such as BGA chips, where overheating or insufficient heat can result in damage or poor solder joints. The preheating table integrated into the WDS580 provides a stable and even heating surface for the PCB before the actual rework

begins. This feature helps to reduce thermal stress on the board and components, enhancing the overall quality of the repair. The station supports chip sizes as small as 1\*1mm, accommodating mini BGA components commonly found in modern electronic devices. In terms of application occasions, the WDS580 is highly suitable for use in electronics manufacturing plants, repair workshops, and R&D laboratories. It excels in scenarios where precise BGA rework is required, including the replacement of damaged chips, repair of solder joints, and prototype development. Whether it's for smartphones, computers, or other high-tech gadgets, this soldering station provides the control and flexibility needed for meticulous rework tasks. Overall, the WDS Manual BGA Rework Station WDS580 is a reliable, efficient, and user-friendly solution for professionals engaged in BGA rework and repair. Its accurate temperature control, preheating table, and compatibility with mini chip sizes make it an indispensable tool for achieving high-quality soldering results in demanding electronic repair and assembly scenarios.

## Customization:

WDS offers comprehensive product customization services for the Manual BGA Rework Station, model WDS580. Manufactured in China, this high-performance station features a powerful 5200W power consumption and advanced PLC temperature control, ensuring precise and efficient desoldering processes. Designed with a low weight advantage, it allows easy handling and maneuverability during BGA rework and repair tasks. The station supports a minimum PCB size of 10×10mm, making it suitable for a wide range of delicate desoldering applications. Whether you require specific modifications or tailored features to optimize your desoldering workflow, WDS provides expert customization to meet your exact needs.

## Support and Services:

Our Manual BGA Rework Station offers comprehensive technical support and services to ensure optimal performance and customer satisfaction. We provide detailed user manuals and troubleshooting guides to help you operate the equipment efficiently. Our support team is available to assist with installation, calibration, and maintenance procedures, ensuring your rework station functions at peak accuracy.

We also offer training sessions to help users understand the full capabilities of the Manual BGA Rework Station, including best practices for soldering and desoldering BGA components. Additionally, replacement parts and consumables are readily available to minimize downtime.

For technical issues beyond basic troubleshooting, our experienced technicians provide repair and refurbishment services. We are committed to delivering timely and effective solutions to keep your production line running smoothly.

Regular software updates and firmware enhancements are provided to improve functionality and incorporate user feedback. Our goal is to support your business with reliable, high-quality service throughout the lifecycle of your Manual BGA Rework Station.

## Packing and Shipping:

### Product Packaging:

The Manual BGA Rework Station is carefully packed in a sturdy, high-quality cardboard box to ensure maximum protection during transit. Inside the box, the rework station is securely cushioned with foam inserts to prevent any movement or damage. All accessories, including the soldering iron, power cord, user manual, and additional tools, are neatly organized and packed to avoid loss or damage.

### Shipping:

We offer reliable shipping options to ensure your Manual BGA Rework Station arrives safely and promptly. The product is shipped via trusted courier services with tracking available for all orders. Depending on your location, shipping times may vary. We also provide international shipping with proper customs documentation to facilitate smooth delivery. Please ensure that the shipping address provided is accurate to avoid delays.

## FAQ:

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

A1: The brand of the Manual BGA Rework Station is WDS, and the model number is WDS580.

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

A2: The WDS580 Manual BGA Rework Station is made in China.

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

A3: The WDS580 is designed for reworking BGA (Ball Grid Array) components, including soldering and desoldering of chips on printed circuit boards.

### Q4: Does the WDS580 Manual BGA Rework Station support temperature control?

A4: Yes, the WDS580 comes equipped with precise temperature control to ensure accurate rework and prevent damage to sensitive components.

### 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 who need reliable BGA rework capabilities.



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