



Manual WDS-580 BGA Rework Station with 10×10mm Min PCB Size PLC Temperature Control and Low Weight for Electronic Repair

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: WDS
- Certification: CE FDA ISO
- Model Number: WDS580
- Minimum Order Quantity: 1
- Price: US\$990-1280 Unit Price
- Packaging Details: Wooden case
- Delivery Time: 45 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union

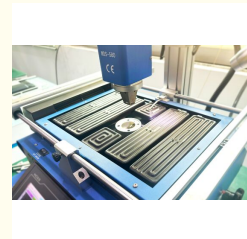
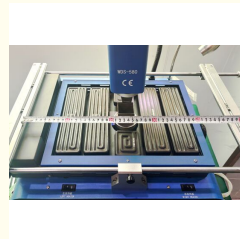
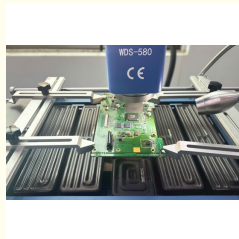


Product Specification

- Overall Dimension: 650*6500*610mm
- Min Pcb Size: 10×10mm
- Warranty: 1 Year
- Feature: Efficient
- Advantage: Low Weight
- Temperature Control: PLC
- Type: Soldering Station
- Tem Measuring Interface: 1pcs
- Highlight: 10×10mm Min PCB Size BGA Rework Station, PLC Temperature Control Soldering Station, Low Weight Manual BGA Rework Station



More Images



Parameter			
Item	Unit	Value	Remark
Model		WDS-580	
Material		Aluminum	
Color		Blue	
Weight	kg	1.2	
Power	W	150	
Temperature	°C	260	
Interface		1	
Warranty	Year	1	
Lead Time	Days	45	
Payment Terms		L/C, D/A, D/P, T/T, Western Union	
Origin		China	
Certification		CE, FDA, ISO	

Product Description

Product Description:

Our Product



The Manual BGA Rework Station is an advanced soldering station designed to meet the precise demands of modern electronic repair and manufacturing. This high-quality rework station is particularly suitable for handling Ball Grid Array (BGA) components, offering exceptional control and efficiency in soldering and desoldering processes. Equipped with a sophisticated PLC temperature control system, it ensures accurate and stable temperature management, which is crucial for preventing damage to delicate electronic components during rework. One of the standout features of this Manual BGA Rework Station is its low weight, making it highly portable and easy to maneuver. This advantage allows technicians and engineers to work comfortably and efficiently, even in tight or challenging spaces. Despite its lightweight design, the station does not compromise on performance, providing robust and reliable operation that meets professional standards.

The station supports a minimum PCB size of 10×10mm, making it versatile enough to handle a wide range of circuit boards, from small-scale repairs to more complex assemblies. This flexibility is essential for technicians who work with various electronic devices, as it allows precise rework on small and intricate PCBs without sacrificing control or safety.

Temperature control is a critical aspect of any rework station, and this model excels with its PLC (Programmable Logic Controller) system. The PLC controller offers precise temperature adjustments and consistent heat distribution, which are vital for successful hot air soldering. This advanced control system helps prevent overheating and ensures that components are soldered or desoldered with minimal thermal stress, thereby enhancing the reliability and longevity of the repaired devices.

The Manual BGA Rework Station also features a temperature measuring interface, equipped with one dedicated measuring point. This interface allows real-time monitoring of the temperature, providing technicians with accurate feedback to maintain optimal heating conditions throughout the rework process. Such precise temperature monitoring is indispensable when working with sensitive components, as it minimizes the risk of thermal damage.

In addition to the core soldering functionality, the station comes with a preheating table. The preheating table is designed to gently warm the PCB before the main soldering process, which helps to reduce thermal shock and improve solder joint quality. Preheating is a critical step in many rework procedures, particularly when dealing with multilayer PCBs or heat-sensitive components, making this feature an invaluable addition to the station.

The user interface of the Manual BGA Rework Station is enhanced by a modern touch screen, which simplifies operation and improves user experience. The touch screen display provides intuitive access to temperature settings, timing controls, and other essential parameters. This ease of use allows technicians to quickly adjust the station to suit different tasks, enhancing productivity and reducing the likelihood of errors during operation.

Moreover, the station incorporates a hot air soldering system, which is a preferred method for reworking BGA components. Hot air soldering offers uniform heat distribution and precise control, enabling efficient solder melting and removal without direct contact with the components. This method reduces the risk of mechanical damage and ensures clean, reliable solder joints, which are critical for the performance of electronic devices.

In summary, the Manual BGA Rework Station is an indispensable tool for electronics repair professionals and manufacturers who require a reliable, portable, and highly controllable soldering solution. Its low weight, combined with advanced PLC temperature control, a single temperature measuring interface, and compatibility with small PCBs, makes it a versatile choice for a wide range of applications. The inclusion of a preheating table, hot air soldering capability, and a user-friendly touch screen interface further enhances its functionality and ease of use. Whether you are performing delicate repairs or complex rework tasks, this BGA rework station provides the precision, control, and efficiency needed to achieve excellent results every time.

Features:

- Product Name: Manual BGA Rework Station
- Application: BGA Rework and Repair
- Weight: 45kg
- Temperature Measuring Interface: 1pcs
- Overall Dimension: 650*650*610mm
- Temperature Control: PLC
- Advanced soldering equipment designed for precise BGA rework
- Equipped with a user-friendly touch screen for easy operation
- Supports efficient desoldering and soldering processes

Technical Parameters:

Min PCB Size	10×10mm
Chip Size	Mini 1×1mm
Application	BGA Rework And Repair

Advantage	Low Weight
Feature	Efficient
Power Consumption	5200W
Overall Dimension	650×6500×610mm
Warranty	1 Year
Temperature Measuring Interface	1 pcs
Type	Soldering Station

Applications:

The WDS580 Manual BGA Rework Station, manufactured by the reputable brand WDS in China, is an essential tool designed specifically for precision soldering tasks involving Ball Grid Array (BGA) components. With its compact chip handling capability down to a mini 1*1mm size, this soldering station offers unparalleled accuracy and control, making it ideal for intricate BGA rework and repair applications. The WDS580 is perfectly suited for various professional and industrial occasions where BGA desoldering, reballing, and reassembly are required. Electronics repair shops benefit greatly from this station when servicing motherboards, graphic cards, and other circuit boards containing BGA chips. Its precise temperature control system, managed by an advanced PLC controller, ensures stable and consistent heat application, which is critical for avoiding damage during delicate BGA desoldering and reballing processes. This soldering station is also invaluable in manufacturing settings, particularly in quality control and rework departments where defective BGA components must be removed, reballled, and replaced efficiently. The WDS580's robust design, with overall dimensions of 650*6500*610mm, provides a stable platform for technicians to perform repetitive tasks comfortably and accurately. Moreover, the WDS580 is widely used in research and development laboratories and educational institutions where precision BGA rework training is conducted. Its user-friendly interface and reliable temperature control allow students and engineers to practice complex BGA chip repairs, including desoldering and reballing, without risking damage to valuable circuit boards. In summary, the WDS580 Manual BGA Rework Station is an indispensable tool for any environment where BGA rework and repair are undertaken. Whether it is for professional repair shops, manufacturing rework lines, or educational purposes, this soldering station delivers exceptional performance, enabling efficient and high-quality BGA desoldering, reballing, and reassembly processes.

Customization:

The WDS580 Manual BGA Rework Station by WDS is designed for efficient motherboard repair, offering precision temperature control through its advanced temperature measuring interface. Originating from China, this rework station combines a low weight of 45kg with a powerful 5200W consumption, making it both portable and highly effective. Its efficient design ensures reliable performance, making it an ideal choice for professionals seeking accuracy and ease of use in rework station applications.

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 station efficiently and resolve common issues quickly. Our technical team is available to assist with setup, calibration, and maintenance procedures, ensuring your equipment functions at peak capability.

We also offer repair services and replacement parts to extend the lifespan of your rework station. Regular software updates and firmware upgrades are provided to enhance functionality and incorporate the latest technological advancements. Additionally, training sessions and workshops can be arranged to improve user proficiency and maximize the benefits of your Manual BGA Rework Station.

For any technical inquiries or assistance, our support team is dedicated to providing prompt and effective solutions, helping you minimize downtime and maintain high-quality rework processes.

Packing and Shipping:

Product Packaging:

The Manual BGA Rework Station is carefully packaged to ensure safe delivery. The product is securely placed in a sturdy, high-quality cardboard box with custom foam inserts to protect all components from impact during transit. The package includes the main rework station unit, a manual soldering iron, necessary accessories, and a detailed user manual. All items are neatly organized to prevent movement and damage.

Shipping:

We offer reliable shipping options to deliver your Manual BGA Rework Station promptly and safely. The product is shipped via trusted carriers with tracking information provided upon dispatch. Standard shipping includes protective packaging to withstand handling and environmental factors. Expedited shipping options are available for faster delivery. International shipping is also supported, with customs documentation prepared in advance to ensure smooth clearance.

FAQ:

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

A1: The Manual BGA Rework Station is branded 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 handle?

A3: The WDS580 is designed to rework BGA (Ball Grid Array) components, including various sizes of IC chips typically found on PCBs.

Q4: Is the WDS580 suitable for both small and large BGA chips?

A4: Yes, the WDS580 is versatile and can be adjusted to work with different sizes of BGA chips, making it suitable for a wide range of rework tasks.

Q5: Does the WDS580 Manual BGA Rework Station require special training to operate?

A5: While the WDS580 is designed for manual operation and ease of use, it is recommended that operators have basic knowledge of BGA rework processes for best results.



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