AC220V±10 Percent Power Supply Manual BGA Rework Station 43kg Weight 4800W Total Power Compact and Solution for PCB Repair

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen,China
- Brand Name: WDS
- Certification: CE
- Model Number: WDS-580
- Minimum Order Quantity: 1pcs
- Packaging Details: wood carton
- Delivery Time: 5-8 working days
- Supply Ability: 200Sets / Month



Product Specification

- Power Supply: AC220V±10%, 50/60Hz
- Temperature Control: 1pc
- Weight: 43kg
- Total Power: 4800W
- Applicable Chip Size: 1×1mm-60×60mm
- Max PCB Size: 10mm X 10mm



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Product Description

Product Description:

The Manual BGA Rework Station is a highly efficient and reliable tool designed specifically for professionals involved in the delicate and precise task of BGA (Ball Grid Array) rework and reballing. This advanced station offers exceptional performance, making it an indispensable piece of equipment for electronics repair technicians and manufacturing specialists who require accurate temperature control and superior handling of sensitive PCBs (Printed Circuit Boards).

One of the standout features of this Manual BGA Rework Station is its precise temperature control system. Equipped with a single temperature control unit, it ensures consistent and accurate heating, which is critical during the reballing process to prevent damage to the components and maintain the integrity of the solder joints. The temperature control is designed to be user-friendly, allowing for easy operation even by those who may be new to BGA rework applications. This feature significantly reduces the risk of overheating or insufficient heating, thereby improving the overall quality of rework and repairs.

Powering the station is a robust AC220V±10%, 50/60Hz power supply that delivers a total power output of 4800W. This powerful supply ensures rapid heating and stable temperature maintenance throughout the rework process. The high power rating allows the station to handle complex tasks efficiently, making it suitable for a wide range of BGA components and sizes. Despite its high power capacity, the station operates quietly and with minimal heat loss, contributing to a safer and more comfortable working environment.

The Manual BGA Rework Station is designed to accommodate PCBs up to a maximum size of 10mm by 10mm. This size range covers a broad spectrum of electronic components, making the station versatile for various reballing and rework tasks. The compact working area also facilitates precise alignment and handling of the PCB, which is essential for successful reballing and solder joint repair. The station's design ensures that the PCB is securely held in place during operation, reducing the risk of movement and ensuring consistent results.

Despite its robust construction and advanced features, the Manual BGA Rework Station is surprisingly lightweight for its class, weighing only 43kg. This weight balance provides stability during use while allowing for easy relocation within a workspace or transport between different workstations. The station's ergonomic design further enhances ease of use, making it ideal for technicians who need to perform repetitive reballing tasks without fatigue.

Ease of operation is a core aspect of this Manual BGA Rework Station. Its intuitive controls and clear interface allow users to quickly set and adjust temperatures, monitor the process, and execute reballing procedures with confidence. This simplicity does not come at the expense of functionality; rather, it strikes a perfect balance that caters to both novice users and experienced technicians. The station supports a smooth workflow, reducing downtime and increasing productivity in repair and manufacturing settings.

In summary, the Manual BGA Rework Station is a powerful, precise, and user-friendly solution for all your BGA rework and reballing needs. With its reliable temperature control, high power output, suitable PCB size capacity, and manageable weight, it offers unmatched performance and convenience. Whether you are repairing delicate electronic devices or performing batch reballing operations, this station ensures excellent results with minimal effort. Its easy operation and stable performance make it an essential tool for any electronics repair workshop looking to enhance their capabilities and deliver professional-quality repairs consistently.

Features:

Product Name: Manual BGA Rework Station
Weight: 43kg
Power Supply: AC220V±10%, 50/60Hz
Max PCB Size: 10mm x 10mm
Total Power: 4800W
Applicable Chip Size: 1*1mm to 60*60mm
Equipped with PLC control for precise temperature management
Infrared preheating for efficient and uniform heat distribution
Features 3 heating zones to ensure optimal rework process

Technical Parameters:

Weight	43kg
Applicable Chip Size	1*1mm – 60*60mm
Total Power	4800W
Max PCB Size	10mm * 10mm
Power Supply	AC220V±10%, 50/60Hz
Temperature Control	1pc, precision temperature with 3 heating zone for efficient pcb repair

Applications:

The WDS-580 Manual BGA Rework Station by WDS is an essential tool designed for precise and efficient soldering and desoldering of BGA chips, making it ideal for various professional and hobbyist applications. This rework station is engineered to handle a wide range of chip sizes, from as small as 1*1mm up to 60*60mm, accommodating diverse electronic components with ease. Weighing 43kg, the robust build ensures stability during operation, providing a steady platform for delicate rework tasks.

This product is particularly suited for occasions where precision and control are paramount, such as in electronic repair shops, manufacturing quality control, R&D laboratories, and educational institutions focusing on electronics engineering. The WDS-580's single temperature control unit allows for accurate temperature adjustments, crucial for delicate hot air soldering tasks that require precise heat

application to avoid damage to sensitive components.
In scenarios where mounting and remounting of chips are frequent, this manual rework station excels due to its easy operation interface. The straightforward controls enable technicians to quickly set the desired temperature and airflow needed for efficient hot air solder applications. This ease of use significantly reduces the learning curve, making it accessible for both experienced professionals and beginners.
Moreover, the station's compatibility with PCB sizes up to 10mm X 10mm makes it perfect for handling small to medium-sized circuit boards commonly found in consumer electronics, telecommunications devices, and automotive electronics. The reliable power supply of AC220V±10%, 50/60Hz ensures stable performance across different electrical environments, enhancing its versatility and dependability.
Overall, the WDS-580 Manual BGA Rework Station offers a comprehensive solution for mounting and reworking BGA chips with precision. Its design prioritizes user-friendly operation and effective hot air solder techniques, making it indispensable for repair, prototyping, and production settings where quality and efficiency are critical.

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