Total Power 4800W Manual BGA Rework Station Featuring Max PCB Size 480×345mm and Thermocouple Ports 1 Pc for PCB Maintenance

Our Product Introduction

Basic Information

- Brand Name: WDS
- Certification: CE
- Model Number: WDS-S7
- Minimum Order Quantity: 1SET



Product Specification

- Thermocouple Ports: 1 Pc
- Temperature Control: Closed-loop K-type Thermocouple, Upper & Lower Independent Heating, ±3°C Accuracy
- Applicable Chip Size: 1×1mm – 60×60mm
- Total Power: 4800W
- Max PCB Size: 480×345mm
- Power Supply: AC220V±10%, 50/60Hz
- Weight: Approx. 34KG

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Product Description

Product Description:

The Manual BGA Rework Station is a highly efficient and reliable soldering equipment designed for precise and professional rework of Ball Grid Array (BGA) components. This advanced rework station is equipped with state-of-the-art temperature control technology, ensuring optimal performance and accuracy during the soldering process. With its closed-loop K-type thermocouple system, the device provides superior temperature regulation by continuously monitoring and adjusting the heat output to maintain a stable temperature, which is critical for delicate BGA rework tasks.

One of the standout features of this Manual BGA Rework Station is the independent heating control for both the upper and lower heating elements. This dual heating system allows users to precisely manage the temperature on each side of the chip, enhancing the quality of soldering and reducing the risk of thermal damage to sensitive components. The temperature accuracy is maintained within a tight ±3°C range, ensuring consistent and repeatable results every time.

The rework station includes a single thermocouple port, simplifying the connection and monitoring process while maintaining precise temperature feedback. This feature plays a vital role in achieving accurate temperature control and preventing overheating or insufficient heating during the rework procedure. The device operates on a standard AC220V±10% power supply with a frequency of 50/60Hz, making it compatible with most industrial and laboratory environments worldwide.

This soldering equipment supports a wide range of BGA chip sizes, accommodating components from as small as 1×1mm up to larger chips measuring 60×60mm. This versatility makes the Manual BGA Rework Station suitable for various applications, from small-scale repairs to more complex rework tasks involving larger chips. The station's robust build quality and thoughtful design provide stability and ease of use, with an overall weight of approximately 34KG, ensuring it remains firmly positioned during operation.

Integrating PLC control technology, the Manual BGA Rework Station offers enhanced automation and precision in temperature regulation. The programmable logic controller (PLC) enables users to set and maintain specific temperature profiles tailored to different BGA components and soldering requirements. This advanced control mechanism reduces human error, improves repeatability, and increases the efficiency of the rework process. The PLC system also facilitates easy adjustments and monitoring, making the equipment user-friendly and highly adaptable to various soldering scenarios.

Designed for electronics repair professionals, manufacturers, and technicians, this rework station combines precision, durability, and functionality in a compact and reliable package. Whether you are performing delicate repairs on high-density BGA chips or handling routine soldering tasks, the Manual BGA Rework Station delivers consistent results with minimal risk of component damage. Its precise temperature control, independent dual heating zones, and PLC-driven automation make it an indispensable tool in any advanced soldering equipment arsenal.

In summary, the Manual BGA Rework Station stands out as a top-tier soldering equipment solution for BGA rework applications. Its closed-loop K-type thermocouple temperature control, accurate ±3°C stability, and independent upper and lower heating systems ensure optimal thermal management. The inclusion of a single thermocouple port simplifies setup, while the wide chip size compatibility and robust 34KG build provide versatility and durability. Powered by AC220V±10%, 50/60Hz and enhanced with PLC control, this rework station is engineered to meet the high demands of modern electronics repair and manufacturing environments.

Features:

Product Name: Manual BGA Rework Station

Power Supply: AC220V±10%, 50/60Hz

Total Power: 4800W

Weight: Approx. 34KG

Max PCB Size: 480×345mm

Thermocouple Ports: 1 Pc

Features infrared preheating for efficient and even heating

Precise heating control to ensure safe and accurate rework

Equipped with PLC control for reliable and easy operation

Technical Parameters:

Thermocouple Ports	1 Pc
Max PCB Size	480×345mm
Temperature Control	Closed-loop K-type Thermocouple, Upper & Lower Independent Heating, ±3°C Accuracy
Total Power	4800W
Weight	Approx. 34KG
Power Supply	AC220V±10%, 50/60Hz
Applicable Chip Size	1×1mm – 60×60mm

This Manual BGA Rework Station is designed for precise pcb repair and mount tasks, offering precision temperature control to ensure optimal results.

Applications:

The WDS-S7 Manual BGA Rework Station by WDS is an essential piece of soldering equipment designed for precise and efficient heating applications in electronic repair and manufacturing. Certified by CE, this high-quality rework station ensures safety and reliability, making it suitable for professional use in various industries. Its robust design, weighing approximately 34KG, provides stability during

operation, allowing users to handle delicate components with confidence.
This rework station is ideal for occasions where accurate heating and reflow of BGA chips are required. With a power supply of AC220V±10%, 50/60Hz, it delivers consistent and controlled heating performance. The unit supports a maximum PCB size of 480×345mm, accommodating a wide range of circuit boards for repair or assembly tasks. Additionally, it is compatible with chip sizes ranging from 1×1mm up to 60×60mm, making it highly versatile for different BGA components.
In practical scenarios, the WDS-S7 excels in situations such as repairing faulty solder joints, replacing damaged BGA chips, and prototyping new electronic devices. The station's precise heating capabilities help prevent thermal damage to surrounding components, ensuring the integrity of the entire PCB. The inclusion of one thermocouple port allows for accurate temperature monitoring, critical for achieving optimal soldering results and avoiding overheating.
This manual BGA rework station is particularly useful in electronics workshops, manufacturing quality control, R&D labs, and service centers where reliable heating and rework of BGA components are frequently required. It supports technicians in performing delicate soldering tasks with enhanced control and precision, boosting productivity and reducing the risk of errors. The minimum order quantity of 1SET makes it accessible for individual professionals as well as large-scale operations.
Overall, the WDS-S7 Manual BGA Rework Station combines advanced heating technology with user-friendly features, making it a valuable addition to any soldering equipment portfolio. Whether used for repairing, assembling, or prototyping, it delivers consistent heating performance that meets the demands of modern electronic maintenance and production.

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