AC220V±10% Manual BGA Rework Station Providing 4800W Total Power and Approx 34KG Weight Ideal for BGA Component Replacement

Our Product Introduction

Basic Information

- Brand Name: WDS
- Certification: CE
- Model Number: WDS-S7
- Minimum Order Quantity: 1SET
- Packaging Details: wood carton
- Delivery Time: 5-8 working days
- Payment Terms: T/T
- Supply Ability: 200Sets / Month



Product Specification

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



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Product Description

Product Description:

The Manual BGA Rework Station is a highly efficient and reliable tool designed for precise and effective repair and rework of BGA (Ball Grid Array) components. This advanced rework station is equipped with state-of-the-art features that cater to both professional technicians and hobbyists who require meticulous control over the rework process. With its robust construction and user-friendly interface, this BGA rework station ensures excellent performance, making it an indispensable addition to any electronics repair workshop.

One of the standout features of this manual BGA rework station is its power supply specification. Operating on AC220V±10%, 50/60Hz, it delivers stable and consistent power necessary for the delicate operations involved in BGA rework. This stable power input ensures that the station maintains optimal heating performance, reducing the risk of damage to sensitive components during reflow or removal processes.

The station is designed to accommodate a wide range of chip sizes, making it incredibly versatile. It supports applicable chip sizes from as small as 1*1mm up to 60*60mm. This broad compatibility allows technicians to work on various BGA components, from tiny microchips to larger integrated circuits, all with a single device. This flexibility is especially beneficial in environments where different chip sizes are encountered frequently.

In terms of PCB handling, the Manual BGA Rework Station can support a maximum PCB size of 480*345mm. This large working area provides ample space for handling and reworking various circuit boards, including those used in complex electronics assemblies. The spacious design makes it easier to position and secure the PCB during the rework process, ensuring accuracy and reducing the chances of errors.

The rework station also features a thermocouple port, with one port provided to monitor and control the temperature accurately. This is a crucial aspect of BGA rework, as precise temperature control is necessary to prevent overheating and ensure proper soldering of the components. The thermocouple sensor works in conjunction with the station's heating elements to maintain the desired temperature profile throughout the rework process.

Weighing approximately 34KG, the Manual BGA Rework Station offers a sturdy and stable platform that minimizes vibrations and movement during operations. This weight provides the stability needed for fine, detailed work, contributing to the overall precision of the rework process. Despite its solid construction, the station remains manageable for typical workshop environments, balancing portability and durability effectively.

A key technological feature of this BGA rework station is its PLC control system. The PLC (Programmable Logic Controller) control ensures precise regulation of temperature and timing parameters, offering enhanced repeatability and reliability. This automation capability allows technicians to program specific rework profiles tailored to different BGA components, leading to consistent and high-quality results. The PLC control also simplifies the operation, reducing the learning curve and enabling users to focus on the repair task rather than manual adjustments.

In summary, the Manual BGA Rework Station is an essential tool for anyone involved in the repair, maintenance, or prototyping of electronic devices featuring BGA components. Its combination of reliable power supply, wide chip size compatibility, large PCB accommodation, precise temperature monitoring via thermocouple, and sophisticated PLC control makes it a top choice for professional-grade BGA rework. Whether you are dealing with delicate microchips or larger integrated circuits, this station provides the accuracy, stability, and control needed to achieve excellent soldering results and extend the life of your electronic assemblies.

Features:

Product Name: Manual BGA Rework Station

Applicable Chip Size: 1*1mm – 60*60mm

Total Power: 4800W

Power Supply: AC220V±10%, 50/60Hz

Thermocouple Ports: 1 Pc

Temperature Control: Closed-loop K-type Thermocouple with ±3°C Accuracy

Features 3 heating zones for precise temperature management

Upper and lower independent heating for efficient BGA rework

Ideal for BGA reballing and repair applications

Technical Parameters:

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

This Manual BGA Rework Station is ideal for chip repair, offering precise heating and mounting capabilities for reliable chip mounting and soldering processes.

Applications:

The WDS Manual BGA Rework Station, model WDS-S7, originating from Shenzhen, China, is an advanced and reliable tool designed

specifically for precise and efficient rework of small PCBs. Certified by CE, this rework station ensures safety and quality compliance, making it an ideal choice for electronic repair professionals and hobbyists alike. With a maximum PCB size accommodation of 480*345mm, it is perfectly suited for handling small to medium-sized circuit boards, providing versatility in various repair and manufacturing scenarios.

This rework station features a total power output of 4800W, powered by an AC220V±10%, 50/60Hz power supply, delivering robust performance for consistent heating. One of the standout features of the WDS-S7 is its 3 heating zone system, which allows for uniform and accurate temperature control across the PCB surface. This is particularly crucial when working with delicate components, ensuring that heat is applied evenly and preventing damage to the board or surrounding parts.

Equipped with a thermocouple port, the WDS-S7 provides precise temperature monitoring, allowing users to maintain accurate temperature settings tailored to different chip sizes ranging from as small as 1*1mm up to 60*60mm. This level of control is essential for reworking various BGA chips, ensuring optimal soldering quality and reducing the risk of overheating or insufficient heat application.

The Manual BGA Rework Station by WDS is perfect for a wide range of application occasions and scenarios. It is widely used in electronics repair shops for the rework and replacement of BGA chips on small PCBs, where accurate temperature control and reliable heating zones are mandatory. Additionally, it is suitable for prototype development and small batch production in R&D labs, where precision and consistency are critical. The station also finds its place in educational institutions for training purposes, where students learn about PCB repair and rework techniques.

In summary, the WDS-S7 Manual BGA Rework Station is an indispensable tool for professionals dealing with small PCBs requiring accurate temperature management. Its three heating zones, high power capacity, and precise thermocouple temperature control make it an excellent choice for ensuring high-quality rework results in multiple scenarios ranging from repair, manufacturing, to educational applications.

Shenzhen Wisdomshow Technology Co.,ltd

+86 18926538696 elysia.li@wdsbga.cn bgaxraymachine.com

No. 3 Kangtai 3rd Road, Shatou Community, Shajing Street, Bao'an District, Shenzhen, China