Color LCD Monitor Semi Automatic BGA Rework Station Featuring 7600W Total Power Supply Approx 80kg Ideal for PCB Component Replacement

Our Product Introduction

Basic Information

- Brand Name: Wisdomshow
- Certification: CE
- Model Number: WDS-750
- Minimum Order Quantity: 1
- Packaging Details: Wooden Case
- Delivery Time: 3-5days
- Payment Terms: TT
- Supply Ability: 200Sets / Month



Product Specification

- Lcd Monitor: Color LCD Monitor
- Applicable Chip Size: Max 12*12mm , Min 1*1mm
- Total Power Supply: 7600W
- Apply Chip Size: 0.8*0.8~120*120mm
- Placement Accuracy: ±0.025mm
- Operation Mode: Automatic & Manual
- Weight: Approx. 80kg
- Upper Heating Power: 1600W
- Lower Heating Power: 1600W
- Power Supply Spec: AC 220V, 50Hz
- Max PCB Size: 570×480mm
- Min PCB Size: 10×10mm
- PCB Thickness: 0.5–8mm

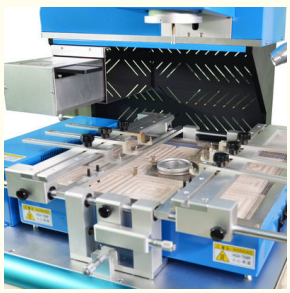


More Images









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Product Description

Product Description:

The Semi Automatic BGA Rework Station is a state-of-the-art solution designed for professionals and technicians engaged in motherboard repair and advanced electronic component rework. Combining precision, efficiency, and user-friendly operation, this BGA rework station offers both automatic and manual operation modes to accommodate various skill levels and project requirements. Whether you are removing, reballing, or replacing Ball Grid Array (BGA) chips, this equipment ensures high-quality results with minimal risk of damage to the delicate components and circuit boards.

One of the standout features of this BGA rework station is its powerful 7600W power consumption capability, which provides rapid heating and consistent temperature control. The station is equipped with a sophisticated three heating zone system, enabling precise thermal management during the rework process. These three independent heating zones allow for uniform heat distribution, reducing the likelihood of thermal stress on the motherboard and ensuring that the BGA chip is heated evenly. This feature is especially critical when working with sensitive and complex motherboards, where temperature variations can lead to component failure.

The station supports an impressive range of chip sizes, from as small as 0.8 x 0.8 mm up to 120 x 120 mm, making it highly versatile for various applications. Whether you are handling tiny microchips or larger BGA packages, this rework station can accommodate your needs with ease. The placement accuracy of ±0.025mm is a testament to the machine's precision engineering, allowing for meticulous alignment of chips during the reattachment process. This level of accuracy significantly reduces errors and improves the success rate of rework operations, which is essential for maintaining the integrity of motherboards and other electronic assemblies.

The user interface is enhanced by a vibrant color LCD monitor, which provides clear and intuitive feedback during operation. The LCD monitor displays critical information such as temperature settings, operation mode, and timer controls, allowing operators to monitor and adjust parameters in real-time. This visual aid simplifies the learning curve and helps technicians achieve optimal results with confidence.

The dual operation modes—automatic and manual—offer flexibility, enabling users to either rely on preset programs for routine tasks or manually adjust settings for more customized processes.

Designed with the needs of motherboard repair professionals in mind, the Semi Automatic BGA Rework Station integrates advanced technology to deliver consistent performance. Its robust construction and high power capacity make it suitable for both small-scale repairs and larger production environments. The inclusion of the three heating zone system not only improves thermal efficiency but also enhances the safety of the rework process by preventing overheating and potential damage to surrounding components.

In summary, this Semi Automatic BGA Rework Station is an indispensable tool for anyone involved in the repair and maintenance of motherboards and other electronic devices that utilize BGA components. Its high power consumption of 7600W ensures rapid and stable heating, while the three heating zone design guarantees even temperature distribution. The ability to work with a wide range of chip sizes and its exceptional placement accuracy of ±0.025mm make it a versatile and reliable choice. Coupled with a user-friendly color LCD monitor and flexible operation modes, this BGA rework station enhances productivity and quality in electronic repair tasks, making it a valuable asset for any electronics repair workshop or manufacturing facility.

Features:

Product Name: Semi Automatic BGA Rework Station
Operation Interface: Touch-screen Board for easy and intuitive control
Applicable Chip Size: Supports chips from Min 1*1mm to Max 12*12mm
Apply Chip Size Range: 0.8*0.8mm to 120*120mm for versatile applications
Temperature Interface: Equipped with 1 temperature interface for precise control
Power Consumption: High efficiency with 7600W power consumption
Advanced BGA rework station featuring reliable hot air heating technology
Dual hot air heating system ensures uniform and efficient heating during rework

Technical Parameters:

Operation Interface	Touch-screen Board
Temperature Segments	8 Segments
Weight	Approx. 80kg
Applicable Industries	Machinery Repair Shops, SMT Workshop, Automotive Electronics Maintenance, Industrial Control Board Repair
Apply Chip Size	0.8*0.8 ~ 120*120mm
LCD Monitor	Color LCD Monitor
Total Power Supply	7600W
Temperature Interface	1 pcs
Applicable Chip Size	Max 12*12mm, Min 1*1mm
Power Consumption	7600W

Applications:

The Wisdomshow WDS-750 Semi Automatic BGA Rework Station is an advanced and reliable solution designed for precision hot air heating and BGA rework applications. Originating from Shenzhen, China, and certified with CE standards, this versatile equipment is ideal for a variety of professional scenarios. Whether you are working in machinery repair shops, SMT workshops, automotive electronics maintenance, or industrial control board repair, the WDS-750 offers unparalleled performance and user convenience. Its semi-automatic operation mode allows technicians to seamlessly switch between automatic and manual controls, ensuring optimal handling during delicate procedures such as CPU repair and component replacement.

Equipped with a powerful 7600W total power supply and 8 temperature segments, the Wisdomshow WDS-750 ensures precise temperature control for efficient and safe hot air heating. This feature is critical when working on sensitive electronic components where temperature accuracy directly impacts the quality of the rework. The color LCD monitor provides real-time feedback and easy-to-navigate interface options, enhancing user experience and reducing operation errors. With a minimum order quantity of just one unit, businesses can quickly integrate this station into their workflow without large initial investments.

In industrial settings, the WDS-750 excels in the repair and refurbishment of BGA components, which are commonly found in CPUs and other complex electronic assemblies. The semi-automatic functionality supports repeatable and consistent thermal profiles, making it an indispensable tool for technicians handling intricate repairs. Its robust build is complemented by secure packaging in a wooden case, ensuring safe delivery within 3-5 days from order confirmation. Payment is conveniently handled via TT, supporting smooth and efficient transactions.

With a monthly supply ability of 200 sets, Wisdomshow caters to growing demands in various industries requiring reliable BGA rework and hot air heating solutions. The WDS-750's application extends beyond just CPU repair, serving as a critical asset in SMT workshops for surface mount technology reflow, as well as in automotive electronics maintenance where precision and reliability are paramount. This BGA rework station is truly a comprehensive tool designed to meet the rigorous demands of modern electronic repair and manufacturing environments.

Customization:

The Wisdomshow Semi Automatic BGA Rework Station, model WDS-750, is a reliable and efficient solution designed for cpu repair and various other electronic maintenance tasks. Manufactured in Shenzhen, China, this product is CE certified, ensuring high quality and safety standards. It features a powerful total power supply and power consumption of 7600W, providing stable and consistent performance for demanding applications.

Equipped with an Infrared preheating table and a temperature interface with 1pcs, the WDS-750 supports precise temperature control, making it ideal for repairing delicate components. Its applicability spans multiple industries, including machinery repair shops, SMT workshops, automotive electronics maintenance, and industrial control board repair. The station accommodates chip sizes ranging from a minimum of 1*1mm up to a maximum of 12*12mm, catering to a wide range of repair needs.

Wisdomshow offers flexible purchasing options with a minimum order quantity of just 1 set. Each unit is carefully packaged in a wooden case to ensure safe delivery, with a typical delivery time of 3-5 days. Payment terms are handled via TT, and the supply ability stands at 200 sets per month, meeting both small and large scale requirements efficiently.

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