7600W Semi Automatic BGA Rework Station with 8 Temperature Segments and ±0.025mm Placement Accuracy BGA Repair Machine

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen,China
- 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

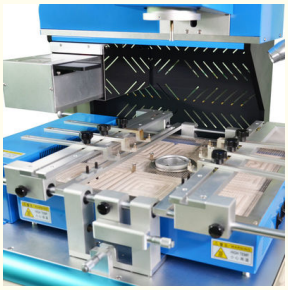


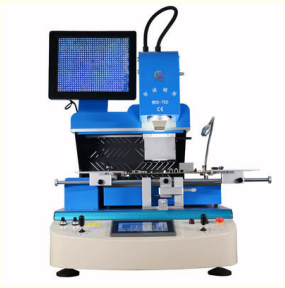
Product Specification

- Applicable Chip Size: Max 12*12mm , Min 1*1mm
- Temperature Segments: 8 Segments
- Temperature Interface: 1pcs
- Power Consumption: 7600W
- Applicable Industries: Machinery Repair Shops, SMT Workshop, Automotive Electronics Maintenance, Industrial Control Board Repair
- Lcd Monitor: Color LCD Monitor
- Placement Accuracy: ±0.025mm
- Operation Mode: Automatic & Manual
- Highlight: **7600W BGA Rework Station**, **8 Temperature Segments BGA Repair Machine**, **±0.025mm Placement Accuracy BGA Rework Station**



More Images







for more products please visit us on bgaxraymachine.com

Our Product Introduction

for more products please visit us on bgaxraymachine.com

Product Description

Product Description:

The Semi Automatic BGA Rework Station is a highly efficient and reliable tool designed specifically for precision soldering and repair tasks involving Ball Grid Array (BGA) components. With a powerful 7600W power consumption, this rework station ensures rapid heating and stable temperature control, making it ideal for demanding applications in various industries. Whether you are working in machinery repair shops, SMT workshops, automotive electronics maintenance, or industrial control board repair, this BGA rework station provides the performance and flexibility needed to achieve professional results.

One of the standout features of this Semi Automatic BGA Rework Station is its advanced hot air heating system. The hot air heating technology is engineered to deliver consistent and uniform heat distribution, which is critical for delicate components such as CPUs and other BGA chips. This helps prevent thermal damage and ensures that solder joints are properly melted and reflowed without affecting surrounding components. The precision offered by the hot air heating mechanism facilitates efficient cpu repair tasks, making it an indispensable tool for technicians and engineers alike.

Temperature control is another key aspect of this rework station, featuring 8 temperature segments that allow users to program and maintain specific temperature profiles for different types of components and soldering processes. This segmented temperature control capability enhances the accuracy of the heating process, enabling users to carefully manage the thermal cycle for each repair job. The temperature interface includes one dedicated port, simplifying the connection and control of temperature sensors or additional heating modules, thereby improving operational convenience and precision.

The Semi Automatic BGA Rework Station supports a wide range of chip sizes, accommodating components from a minimum size of 1*1mm up to a maximum size of 12*12mm. This versatility ensures that the station can handle a broad spectrum of BGA chips, from small microprocessors to larger ICs, catering to various repair and manufacturing needs. Whether you are performing fine cpu repair or working on larger industrial control modules, this rework station adapts seamlessly to your requirements.

Designed with practical applications in mind, this rework station is particularly well-suited for use in machinery repair shops where precision and reliability are paramount. It is also a valuable asset in SMT workshops, where surface-mount technology components demand meticulous handling and precise thermal management. Automotive electronics maintenance benefits greatly from the station's ability to safely rework complex circuit boards, while industrial control board repair is streamlined thanks to the station's robust construction and advanced temperature control features.

In summary, the Semi Automatic BGA Rework Station combines powerful hot air heating technology, precise temperature segmentation, and broad chip size compatibility to deliver exceptional performance in electronic repair and manufacturing environments. Its 7600W power consumption ensures rapid and stable heating, while the 8 temperature segments provide customizable thermal profiles for optimal soldering results. Suitable for a variety of industries including machinery repair shops, SMT workshops, automotive electronics maintenance, and industrial control board repair, this rework station is a versatile and reliable choice for professionals seeking to perform accurate and efficient cpu repair and other BGA-related tasks.

Features:

- Product Name: Semi Automatic BGA Rework Station
- Applicable Chip Size: Max 12*12mm, Min 1*1mm
- Apply Chip Size Range: 0.8*0.8mm to 120*120mm
- Temperature Control: 8 Segments for precise heating
- Operation Mode: Both Automatic & Manual for flexible use
- Heating System: Features three heating zones including hot air heating for uniform temperature distribution
- Optical Alignment System: Ensures accurate placement and alignment of chips
- Applicable Industries: Suitable for Machinery Repair Shops, SMT Workshops, Automotive Electronics Maintenance, and Industrial Control Board Repair

Technical Parameters:

Placement Accuracy	±0.025mm
Applicable Chip Size	Max 12*12mm, Min 1*1mm
Weight	Approx. 80kg
Total Power Supply	7600W
Applicable Industries	Machinery Repair Shops, SMT Workshop, Automotive Electronics Maintenance, Industrial Control Board Repair
Power Consumption	7600W
Temperature Interface	1pcs
Apply Chip Size	0.8*0.8~120*120mm
Temperature Segments	8 Segments
Operation Mode	Automatic & Manual

Applications:

The Wisdomshow Semi Automatic BGA Rework Station, model WDS-750, originating from Shenzhen, China, is a highly efficient and reliable tool designed specifically for precision motherboard repair and rework tasks. Certified with CE standards, this advanced BGA rework station ensures safety and quality compliance, making it an ideal choice for professional electronics repair shops and manufacturing units. Its versatile operation modes, including both automatic and manual settings, provide technicians with flexible control over the rework process, enhancing accuracy and reducing the risk of damage to sensitive components.

One of the primary application occasions for the WDS-750 is in the repair and refurbishment of motherboards in consumer electronics such as laptops, desktops, and other embedded systems. The station's hot air heating technology, combined with eight precise temperature segments, allows for controlled heating and cooling cycles, which is crucial for safely removing and reballing BGA components without causing thermal stress or warping. This feature is particularly valuable during motherboard repair when delicate solder joints need to be reflowed or replaced.

The integrated optical alignment system further elevates the precision of the rework process by enabling accurate positioning of BGA chips before soldering. This system minimizes alignment errors, thereby improving the reliability and performance of repaired devices. The color LCD monitor and intuitive touch-screen board operation interface offer a user-friendly experience, allowing technicians to monitor temperature profiles and adjust parameters in real-time with ease and confidence.

Packaged securely in a robust wooden case, the Wisdomshow WDS-750 ensures safe transportation and delivery within 3-5 days, with a supply capacity of 200 sets per month to meet high-demand requirements. The unit weighs approximately 80kg, reflecting its sturdy build quality and durable components. Payment terms are flexible with TT options, and the minimum order quantity is just one set, making it accessible for small to large-scale operations.

In summary, the Wisdomshow Semi Automatic BGA Rework Station WDS-750 is perfectly suited for various scenarios involving motherboard repair, reballing, and component replacement tasks where precision hot air heating and optical alignment are essential. Its advanced features and reliable performance make it a valuable asset in electronic repair workshops, manufacturing quality control, and research and development laboratories.

Customization:

The Wisdomshow WDS-750 Semi Automatic BGA Rework Station is designed for efficient and precise cpu repair, offering reliable performance with a power consumption of 7600W. This advanced BGA rework station features an Infrared preheating table, ensuring uniform heat distribution and minimizing thermal stress on components.

Manufactured in Shenzhen, China, the WDS-750 model boasts a placement accuracy of ±0.025mm and supports chip sizes ranging from a minimum of 0.8*0.8mm up to a maximum of 120*120mm, with applicable chip sizes between 1*1mm and 12*12mm. The station includes 8 temperature segments to accommodate various soldering requirements.

Certified with CE, this product is packaged securely in a wooden case and is available with a minimum order quantity of 1 set. With a supply ability of 200 sets per month, Wisdomshow ensures timely delivery within 3-5 days. Payment is accepted via TT, making the transaction process smooth and efficient.

The WDS-750 Semi Automatic BGA Rework Station is an ideal solution for professionals seeking a high-quality, accurate, and durable tool for cpu repair tasks, combining advanced technology with user-friendly features.

+86 18926538696 elysia.li@wdsbga.cn bgaxraymachine.com
No.6,Haosi Western Industry,Shangjing Town,Bao'an District,Shenzhen,China