



Shenzhen Wisdomshow Technology Co.,Ltd

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220V Fully Automatic BGA Rework Station with 12000W Power 580KG Weight and $\pm 0.01\text{mm}$ SMT Precision for Large Circuit Boards

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: WDS
- Model Number: WDS1800

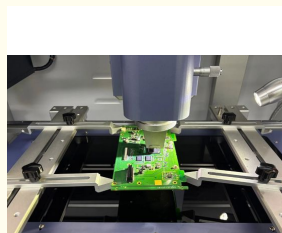
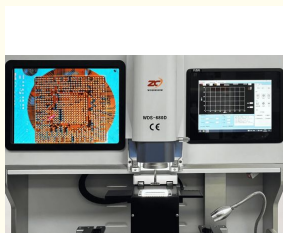


Product Specification

- Machine Weight: 580kg
- Vision Alignment: Automatic Alignment
- Power: 12000W
- Upper Heater Power: Max 1200W
- Pcb Thickness: 0.8mm - 8mm
- Smt Precision: $\pm 0.01\text{mm}$
- Weight: About 580KG
- Pcb Position Mode: V Type Card Slot+universal Fixture
- Highlight: 220V large BGA rework machine,
BGA rework station for large circuit boards,
fully automatic BGA rework station



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Product Description:

The Fully Automatic BGA Rework Station is a state-of-the-art solution designed for precision soldering and rework of Ball Grid Array (BGA) components. This advanced piece of equipment integrates cutting-edge features and advanced technology to deliver exceptional performance, reliability, and user convenience for electronics manufacturing and repair professionals. Weighing approximately 580KG, the robust structure of this machine ensures stability and durability during intensive rework tasks, making it a dependable addition to any electronics workshop.

One of the standout features of this Fully Automatic BGA Rework Station is its powerful heating system. The upper heater boasts a maximum power output of 1200W, enabling rapid and uniform heating that is critical for delicate BGA components. This precise control of temperature helps to prevent damage to sensitive circuits, ensuring high-quality rework results. Additionally, the overall power capacity of the station is an impressive 12000W, providing ample energy to support all its advanced functionalities and maintain consistent performance throughout extended periods of use.

Versatility is another key attribute of this BGA Rework Station. It operates on a dual voltage system of 220V and 110V, making it suitable for use in various regions worldwide without the need for additional voltage converters. This flexibility simplifies deployment in diverse work environments and supports the needs of global electronics repair services and manufacturing plants.

A major innovation that sets this BGA Rework Station apart from traditional models is its fully automatic feeding device. This feature significantly enhances operational efficiency by automating the positioning and handling of BGA components during the rework process. By reducing manual intervention, it minimizes the risk of human error and accelerates workflow, allowing technicians to focus on precision and quality. The fully automatic feeding device exemplifies the integration of advanced technology into the station's design, streamlining complex procedures and improving overall productivity.

To facilitate ease of use and provide clear, real-time feedback, the station is equipped with a high-definition (HD) monitor. This display allows operators to monitor temperature profiles, process stages, and other critical parameters with exceptional clarity. The HD monitor interface is intuitive and user-friendly, offering comprehensive control over the rework process and enabling precise adjustments to suit specific components and tasks. This level of monitoring and control is essential for achieving optimal rework outcomes, particularly when working with highly sensitive BGA chips.

The combination of advanced technology, a robust heating system, and a fully automatic feeding mechanism makes this Fully Automatic BGA Rework Station an indispensable tool for modern electronics repair and manufacturing. Its design prioritizes accuracy, efficiency, and user experience, addressing the evolving demands of the electronics industry. Whether used for small-scale repairs or large production runs, this station delivers consistent, high-quality results that meet stringent industry standards.

In summary, the Fully Automatic BGA Rework Station is a powerful, reliable, and highly efficient solution for BGA component rework. With its weight of about 580KG, maximum upper heater power of 1200W, total power consumption of 12000W, and dual voltage compatibility (220/110V), it offers robust performance and versatility. The incorporation of a fully automatic feeding device and an HD monitor underscores its commitment to leveraging advanced technology to enhance precision and streamline operations. For professionals seeking a cutting-edge rework station that combines innovation with practicality, this product is an excellent investment that delivers superior results every time.

Features:

- Product Name: Fully Automatic BGA Rework Station
- Maximum PCB Size: 640*490mm
- Bottom Heater Power: Up to 8000W for efficient heating
- Software Control: Windows-based for user-friendly operation
- SMT Precision: High accuracy of ±0.01mm for precise soldering
- Weight: Approximately 580KG for stable performance
- Features Automatic soldering to improve efficiency and consistency
- Designed to meet Industry degrees standards for reliability
- Equipped with an HD monitor for clear and detailed viewing

Technical Parameters:

Power	12000W
Upper Heater Power	Max 1200W
Bottom Heater Power	Max 8000W
Power Supply	AC 380V ±10%, 50/60Hz
Voltage	220/110V
PCB Position Mode	V Type Card Slot + Universal Fixture
PCB Thickness	0.8mm - 8mm
Machine Weight	About 580kg
Software Control	Windows Based

Applications:

The WDS Fully Automatic BGA Rework Station, model WDS1800, is an advanced piece of equipment originating from China that is designed to meet the rigorous demands of modern electronics manufacturing and repair. Weighing 580kg, this large BGA rework machine is engineered to handle a wide range of PCB thicknesses, from 0.8mm up to 8mm, and supports mini PCB sizes as small as 10*10mm, making it highly versatile for different application occasions.

This full automatic BGA rework station is ideal for scenarios that require precision and efficiency in the reballing, removal, and replacement of Ball Grid Array (BGA) components. Its fully automatic feeding device streamlines the workflow, significantly reducing manual intervention and the risk of errors during the rework process. This makes it particularly suitable for high-volume production lines in electronics manufacturing plants where consistency and speed are paramount.

Moreover, the WDS1800 is equipped with accurate temperature control technology, ensuring that the heating and cooling processes are precisely managed to prevent damage to delicate electronic components. This feature is crucial in sensitive repair environments such as semiconductor fabrication, PCB prototyping labs, and quality assurance testing centers where even minor temperature fluctuations can lead to component failure.

In addition to manufacturing, the WDS Fully Automatic BGA Rework Station is widely used in repair and refurbishment settings, including electronics repair shops, research and development facilities, and educational institutions specializing in electronics engineering. Its capability to handle both large BGA rework tasks and smaller, intricate PCBs makes it a reliable tool for technicians working on various electronic devices, from consumer electronics to industrial control systems.

Operating on a standard voltage of 220/110V, the WDS1800 is adaptable to different regional power supplies, enhancing its usability across global markets. Overall, this large BGA rework station is an indispensable asset in any scenario that demands precise, efficient, and fully automated BGA rework solutions.

Support and Services:

The Fully Automatic BGA Rework Station is designed to provide precise and efficient soldering and desoldering of Ball Grid Array (BGA) components. It features advanced heating technology, an intuitive user interface, and automated alignment systems to ensure high-quality rework processes.

Our technical support team is dedicated to assisting customers with installation, operation, and troubleshooting of the BGA Rework Station. We offer comprehensive guidance on software updates, maintenance procedures, and optimal usage practices to maximize the lifespan and performance of the equipment.

Additional services include on-site training sessions, calibration services, and repair options to ensure your rework station operates at peak efficiency. We also provide detailed manuals and instructional materials to support your technical staff in handling complex rework tasks.

For any technical inquiries or service requests, please refer to the product documentation for troubleshooting tips and maintenance schedules to keep your Fully Automatic BGA Rework Station running smoothly.

Packing and Shipping:

Product Packaging and Shipping

The Fully Automatic BGA Rework Station is carefully packaged to ensure it reaches you in perfect condition. The unit is securely placed in a custom-fitted foam insert within a sturdy, reinforced cardboard box to prevent any damage during transit. All accessories, including the power cable, user manual, and additional tools, are neatly organized and packed alongside the main unit.

For added protection, the packaging includes anti-static materials to safeguard the sensitive electronic components from electrostatic discharge. The box is sealed with tamper-evident tape and clearly labeled with handling instructions and shipping information.

Shipping is available worldwide via reliable courier services with tracking options. We offer multiple shipping methods to suit your needs, including standard, expedited, and express delivery. Each shipment is insured to provide peace of mind against loss or damage during transportation.

Upon receiving your Fully Automatic BGA Rework Station, please inspect the package for any signs of damage and report any issues immediately to our customer service team for prompt assistance.

FAQ:

Q1: What is the brand and model number of this Fully Automatic BGA Rework Station?

A1: The Fully Automatic BGA Rework Station is manufactured by the brand WDS, and the model number is WDS1800.

Q2: Where is the WDS1800 BGA Rework Station manufactured?

A2: The WDS1800 BGA Rework Station is made in China.

Q3: What types of components can the WDS1800 BGA Rework Station handle?

A3: The WDS1800 is designed to handle BGA, QFP, and other surface-mount components for reworking and soldering tasks.

Q4: Does the WDS1800 support automatic and manual operation modes?

A4: Yes, the WDS1800 offers fully automatic operation for precise rework processes, as well as manual modes for more customized control.

Q5: What are the key features of the WDS1800 BGA Rework Station?

A5: Key features include a precision temperature control system, automatic PCB positioning, high-efficiency heating, and a user-friendly interface.



Shenzhen Wisdomshow Technology Co.,Ltd



+86 18926538696



elysia.li@wdsbga.cn



bgaxraymachine.com

No.6,Haosi Western Industry,Shangjing Town,Bao'an District,Shenzhen,China