



Semi Automatic BGA Rework Station with $\pm 0.01\text{mm}$ Mounting Accuracy, Three Independent Heating Zones, and HD Touchscreen

Our Product Introduction

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Basic Information

- Brand Name: Wisdomshow
- Certification: CE
- Model Number: WDS-620
- Minimum Order Quantity: 1
- Packaging Details: Wooden Case
- Delivery Time: 3-5days
- Payment Terms: TT
- Supply Ability: 200



Product Specification

- Power Supply Ac: Ac 220v \pm 10% 50/60hz
- Heating Body: Upper/lower Hot Air Heating + Bottom IR Preheating
- Packaging Type: Wooden Box
- Dimensions: L605 x W655 x H710 Mm
- Type: BGA Rework Station
- Heating Zones: Three Independent Heating Zones
- Touch Screen: High-definition Touchscreen HMI
- Min Chip Space: 0.15mm
- Highlight: **$\pm 0.01\text{mm}$ Mounting Accuracy BGA Rework Station**
Three Independent Heating Zones BGA Rework Station
HD Touchscreen BGA Rework Station



More Images



Product Description:

The Semi Automatic BGA Rework Station is an advanced and highly efficient tool designed for professional CPU repair and other delicate electronic component rework tasks. Equipped with cutting-edge technology, this BGA rework station offers exceptional precision, control, and versatility, making it an indispensable device for technicians and engineers working in the electronics repair industry.

One of the standout features of this Semi Automatic BGA Rework Station is its Independent Three-zone Control system. This allows users to precisely manage the temperature of three separate heating zones independently, ensuring optimal heat distribution and minimizing the risk of damage to sensitive components. The three independent heating zones consist of an upper and lower hot air heating system combined with a bottom infrared (IR) preheating element. This tri-zone heating approach guarantees uniform and efficient heating, which is crucial for successful BGA rework and CPU repair.

The station's temperature measuring interface includes one highly accurate sensor, providing real-time temperature monitoring to maintain precise control during operation. The mounting accuracy of the equipment is exceptionally high, with a tolerance of $\pm 0.01\text{mm}$, allowing for precise positioning of components and enhancing the quality of the repair work.

In addition to its superior heating capabilities, this BGA rework station features an innovative display system that simultaneously shows four temperature curves. This real-time curve analysis enables users to monitor different heating zones at once, facilitating better control and adjustment of the rework process. The ability to store multiple user data sets further enhances the station's usability, allowing technicians to save and recall customized heating profiles tailored to various CPU models and repair requirements.

Another remarkable aspect of this Semi Automatic BGA Rework Station is the integration of fan speed settings with the temperature curves. The fan speed is saved alongside the temperature profile, ensuring consistent airflow management during the heating process. This synchronization of fan speed and temperature contributes to enhanced thermal stability and prevents overheating or uneven heating of the components.

Durability and reliability are also key considerations in the design of this BGA rework station. The upper heating head is driven by a robust gear rack mechanism, which provides smooth and precise vertical movement. This mechanical design not only extends the lifespan of the heating head but also improves operational accuracy and ease of use during the rework process.

Overall, the Semi Automatic BGA Rework Station is a sophisticated and user-friendly tool that combines advanced heating technologies, precise control systems, and durable construction. It is perfectly suited for professionals engaged in CPU repair and other BGA rework tasks, providing them with the tools necessary to achieve high-quality, reliable repairs. Whether in a repair workshop or a manufacturing environment, this station enhances efficiency, accuracy, and consistency, making it a valuable investment for anyone involved in delicate electronic component rework.

Features:

- Product Name: Semi Automatic BGA Rework Station
- Type: BGA Rework Station
- Temperature Measuring Interface: 1 Pc
- Machine Weight: Net Weight 55 Kg
- Packaging Type: Wooden Box
- Touch Screen: High-definition Touchscreen HMI
- Semi automatic operation for efficient and precise rework processes
- Hot air heating system for uniform and controlled temperature distribution
- Advanced optical alignment system for accurate component placement

Technical Parameters:

Mounting Accuracy	$\pm 0.01\text{mm}$
Heating Zones	Three Independent Heating Zones
Working Modes	5 Modes: Disassembly, Soldering, Placement, Semi-automatic, Manual
Machine Weight	Net Weight 55 Kg
Characteristic	Independent Three-zone Control, Displays 4 Temperature Curves Simultaneously, Stores Multiple User Data Sets, Real-time Curve Analysis; Fan Speed Saved With Temperature Curve; Gear Rack Drives Upper Heating Head For Durability
Power Supply AC	AC 220v $\pm 10\%$, 50/60hz

Min Chip Space	0.15mm
Touch Screen	High-definition Touchscreen HMI
Dimensions	L605 × W655 × H710 Mm
Packaging Type	Wooden Box

Applications:

The Wisdomshow WDS-620 Semi Automatic BGA Rework Station is an advanced solution designed for precise and efficient repair and rework of BGA components. With its CE certification ensuring quality and safety, this rework station is ideal for electronics repair shops, manufacturing facilities, and R&D laboratories where accuracy and reliability are paramount.

Equipped with a high-definition touchscreen HMI, the WDS-620 offers user-friendly operation, enabling technicians to easily navigate through its five working modes: Disassembly, Soldering, Placement, Semi-automatic, and Manual. This flexibility allows users to tailor the rework process according to the specific requirements of each job, whether it's quick component replacement or detailed manual adjustments.

A standout feature of this model is its optical alignment system, which guarantees precise positioning of chips with a minimum chip space of just 0.15mm. This precision is crucial for handling high-density BGA packages and ensures optimal soldering results without damaging surrounding components.

The station includes an infrared preheating table with three independent heating zones, providing even and controlled heating to prevent thermal shock and warping of circuit boards. This feature is essential for delicate electronics that require gradual temperature changes during the rework process.

Measuring L605 × W655 × H710 mm, the compact yet robust design fits well in various workspace environments. Packaged securely in a wooden case, the WDS-620 is ready for delivery within 3-5 days upon order, with a minimum order quantity of just one unit and a supply ability of 200 units, making it accessible for both small businesses and larger operations.

Payment terms are flexible with TT accepted, facilitating smooth transactions. Overall, the Wisdomshow WDS-620 Semi Automatic BGA Rework Station is the perfect choice for professionals seeking a reliable, efficient, and precise tool for BGA rework tasks in scenarios ranging from prototype development to mass production repair.

Support and Services:

The Semi Automatic BGA Rework Station is designed to provide efficient and precise soldering and desoldering of Ball Grid Array (BGA) components. Our technical support team is dedicated to helping you achieve optimal performance and maintain the longevity of your equipment.

Technical support includes guidance on equipment setup, operation procedures, and troubleshooting common issues. We provide detailed manuals and instructional videos to ensure users can confidently operate the station for various rework tasks.

Our services cover calibration assistance, routine maintenance advice, and software updates to enhance the functionality of the rework station. We also offer training sessions to improve operator skills and ensure safety during use.

For repairs and parts replacement, we recommend following the provided maintenance guidelines and using only authorized components to maintain warranty coverage and device integrity.

We are committed to supporting you throughout the lifecycle of your Semi Automatic BGA Rework Station to ensure consistent, high-quality results in your electronic assembly and repair processes.

Packing and Shipping:

Product Packaging:

The Semi Automatic BGA Rework Station is carefully packaged to ensure it arrives in perfect condition. The product is securely placed in a custom foam insert within a sturdy cardboard box to prevent any movement during transit. All accessories, including the power cable, nozzles, user manual, and spare parts, are individually wrapped and organized inside the box. The packaging is designed to protect the device from shocks, moisture, and dust.

Shipping:

We offer reliable shipping options worldwide to deliver the Semi Automatic BGA Rework Station safely and promptly. The product is shipped via trusted courier services with tracking available for every order. Shipping times vary depending on the destination, typically ranging from 3 to 15 business days. We ensure that all shipments comply with international shipping regulations and include necessary customs documentation to facilitate smooth delivery. Expedited shipping options are also available upon request.

FAQ:

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

A1: The brand name is Wisdomshow, and the model number is WDS-620.

Q2: Does the WDS-620 BGA Rework Station have any certifications?

A2: Yes, the Wisdomshow WDS-620 is CE certified, ensuring it meets European safety and quality standards.

Q3: What is the minimum order quantity for this product?

A3: The minimum order quantity for the Wisdomshow WDS-620 is 1 unit.

Q4: How is the Semi Automatic BGA Rework Station packaged for delivery?

A4: The WDS-620 is securely packaged in a wooden case to ensure safe transportation.

Q5: What are the delivery time and payment terms for ordering this product?

A5: The delivery time is typically 3-5 days, and the payment terms accepted are TT (Telegraphic Transfer).



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