



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

Our Product Introduction

for more products please visit us on bgaxraymachine.com

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



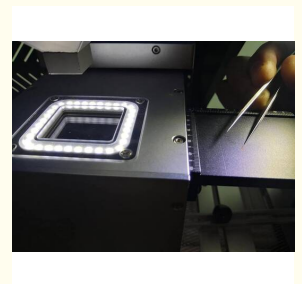
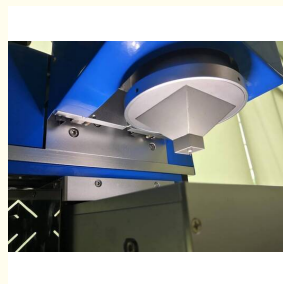
Product Specification

- Min Chip Space: 0.15mm
- Touch Screen: High-definition Touchscreen HMI
- Working Modes: 5 Modes: Disassembly, Soldering, Placement, Semi-automatic, Manual
- Heating Body: Upper/lower Hot Air Heating + Bottom IR Preheating
- Packaging Type: Wooden Box
- Mounting Accuracy: $\pm 0.01\text{mm}$
- Heating Zones: Three Independent Heating Zones
- Type: BGA Rework Station
- Highlight: Semi Automatic BGA Rework Station with three heating zones



Touchscreen HMI BGA Rework Station for PCB ,
BGA Rework Station with independent heating

More Images



Product Description:

The Semi Automatic BGA Rework Station is a highly efficient and precise tool designed for professionals and technicians engaged in cpu repair and motherboard repair. This advanced BGA rework station offers exceptional performance, making it an essential device for anyone involved in delicate electronic component rework and soldering tasks. Whether you are repairing a faulty CPU or performing intricate motherboard repair, this rework station provides the reliability and accuracy needed to achieve outstanding results.

One of the standout features of this Semi Automatic BGA Rework Station is its three independent heating zones. These zones allow for optimal temperature control across different areas of the device, ensuring uniform heat distribution to prevent damage to sensitive components during the rework process. The ability to control each heating zone independently means that technicians can tailor the temperature settings precisely to the requirements of the specific job, enhancing the success rate of cpu repair and motherboard repair operations.

Accuracy is paramount in any BGA rework task, and this station excels with a mounting accuracy of ± 0.01 mm. Such precision ensures that the Ball Grid Array components are aligned perfectly during placement, reducing the risk of misalignment that can cause malfunction or failure of the repaired device. This high level of mounting accuracy is crucial in motherboard repair scenarios where even the smallest deviations can lead to significant operational issues.

Temperature monitoring is another critical aspect of successful BGA rework, and this station is equipped with a temperature measuring interface (1 Pc) that provides real-time temperature feedback. This feature allows operators to closely monitor and adjust the heating process, preventing overheating or insufficient heating that could compromise the integrity of the components being repaired. Accurate temperature measurement is essential for maintaining the delicate balance required in cpu repair and motherboard repair tasks.

The Semi Automatic BGA Rework Station is also thoughtfully packaged in a sturdy wooden box, ensuring safe transportation and storage. The wooden packaging not only protects the device from physical damage but also adds an element of durability and professionalism, making it suitable for both workshop and field use. This packaging approach reflects the manufacturer's commitment to delivering a high-quality, reliable product that meets the rigorous demands of electronic repair professionals.

Designed specifically as a BGA Rework Station, this tool combines semi-automatic operation with user-friendly controls to streamline the rework process. It simplifies complex procedures, enabling technicians to achieve consistent, high-quality results with less effort and reduced risk of error. The semi-automatic functionality supports efficient workflow, making it ideal for repair centers that handle a high volume of cpu repair and motherboard repair tasks.

In summary, the Semi Automatic BGA Rework Station is an indispensable device for anyone specializing in cpu repair and motherboard repair. Its three independent heating zones, precise mounting accuracy of ± 0.01 mm, and integrated temperature measuring interface provide the advanced features necessary for delicate and precise electronic component rework. Coupled with robust wooden box packaging and semi-automatic operation, this BGA rework station offers a perfect blend of performance, accuracy, and convenience. Investing in this product means equipping your repair toolkit with a reliable and efficient solution designed to enhance the quality and success rate of your cpu repair and motherboard repair projects.

Features:

- Product Name: Semi Automatic BGA Rework Station
- Dimensions: L605 × W655 × H710 Mm
- Machine Weight: Net Weight 55 Kg
- Type: BGA Rework Station
- Packaging Type: Wooden Box
- Mounting Accuracy: ± 0.01 mm
- Equipped with an advanced optical alignment system for precise component placement
- Semi automatic operation for efficient and user-friendly rework process
- Utilizes hot air heating technology to ensure uniform and controlled temperature distribution

Technical Parameters:

Heating Body	Upper/lower Hot Air Heating + Bottom IR Preheating (Infrared preheating table)
Packaging Type	Wooden Box
Type	BGA Rework Station with optical alignment system
Min Chip Space	0.15mm
Mounting Accuracy	± 0.01 mm
Characteristic	Independent Three-zone Control (three heating zone), 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
Machine Weight	Net Weight 55 Kg

Temp Measuring Interface	1 Pc
Power Supply AC	AC 220v ± 10% 50/60Hz
Working Modes	5 Modes: Disassembly, Soldering, Placement, Semi-automatic, Manual

Applications:

The Wisdomshow WDS-620 Semi Automatic BGA Rework Station is an essential tool designed for precise and efficient motherboard repair and other advanced electronic rework tasks. With its CE certification, this product guarantees high quality and safety standards, making it a reliable choice for professionals in the electronics repair industry. Featuring a minimum chip spacing capability of 0.15mm, the WDS-620 allows for delicate and detailed work on densely packed circuit boards.

This rework station is equipped with multiple working modes, including disassembly, soldering, placement, semi-automatic, and manual modes, providing versatile operation options tailored to different repair scenarios. The semi automatic mode is particularly advantageous for improving accuracy and reducing operator fatigue during repetitive tasks, enhancing productivity without compromising precision.

One of the standout features of the Wisdomshow WDS-620 is its advanced heating system, which combines an upper and lower hot air heating mechanism with a bottom infrared preheating table. This infrared preheating table ensures even and controlled preheating of the motherboard, preventing thermal shock and minimizing the risk of damage during the rework process. The integrated temperature measuring interface allows technicians to monitor temperatures accurately, ensuring optimal soldering conditions and consistent results. Designed for professional workshops and service centers, the semi automatic BGA rework station is ideal for repairing motherboards in laptops, smartphones, gaming consoles, and other electronic devices. Its compact design, powered by an AC 220V ± 10% supply and compatible with 50/60Hz frequency, ensures stable operation in various environments. The product is packaged securely in a wooden case to avoid damage during shipping, with a delivery time of just 3-5 days and a supply ability of 200 units, making it readily available for urgent orders.

The Wisdomshow WDS-620 Semi Automatic BGA Rework Station accepts payment via TT and requires a minimum order quantity of just one unit, making it accessible for both small repair shops and large-scale production lines. Whether you are performing intricate motherboard repairs or handling complex BGA component replacements, this station offers a comprehensive solution that enhances efficiency, accuracy, and safety in your electronic repair processes.

Support and Services:

The Semi Automatic BGA Rework Station is designed to provide precise and efficient soldering and desoldering of Ball Grid Array (BGA) components. It features advanced temperature control, uniform heating, and adjustable airflow to ensure high-quality rework and repair of PCBs.

Our technical support team is dedicated to assisting you with installation, operation, and maintenance of the BGA Rework Station. We provide detailed user manuals, troubleshooting guides, and instructional videos to help you achieve optimal performance.

We offer comprehensive services including calibration, software updates, and hardware repairs to keep your rework station operating at peak efficiency. Our experts can guide you through complex rework procedures and recommend best practices tailored to your specific applications.

For warranty and post-warranty services, we ensure prompt response and professional assistance to minimize downtime. Regular training sessions and webinars are available to help users stay updated with the latest techniques and technology advancements related to BGA rework.

Packing and Shipping:

Product Packaging and Shipping for Semi Automatic BGA Rework Station

The Semi Automatic BGA Rework Station is carefully packaged to ensure it reaches you in perfect condition. Each unit is securely placed in a custom foam mold inside a sturdy, double-walled cardboard box to protect it from shocks and vibrations during transit. All accessories and components are individually wrapped and organized within the package to prevent any damage or loss.

For added safety, the package is sealed with tamper-evident tape and clearly labeled with handling instructions such as "Fragile" and "This Side Up." We also include an instruction manual and warranty card inside the box for your convenience.

Shipping options include standard courier services with tracking and insurance available upon request. Depending on your location, delivery times typically range from 3 to 10 business days. Expedited shipping and international delivery are also offered to meet your specific needs.

Our logistics team ensures that each Semi Automatic BGA Rework Station is dispatched promptly and handled with the utmost care throughout the shipping process, providing you with a reliable and hassle-free purchasing experience.

FAQ:

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

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

Q2: Does this product have any certifications?

A2: Yes, the Wisdomshow WDS-620 Semi Automatic BGA Rework Station is CE certified.

Q3: What is the minimum order quantity for purchasing this BGA Rework Station?

A3: The minimum order quantity is 1 unit.

Q4: How is the product packaged for delivery?

A4: The product is securely packaged in a wooden case to ensure safe transportation.

Q5: What is the typical delivery time after placing an order?

A5: The delivery time for the Wisdomshow WDS-620 is usually between 3 to 5 days.

Q6: What payment terms are accepted for this product?

A6: Payment is accepted via TT (Telegraphic Transfer).

Q7: What is the supply capacity of this product?

A7: The supply ability is 200 units.



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