WDS-620 Max Placement Load 300g BGA rework station equipped Placement Accuracy ±0.02mm ensuring stable and precise soldering on circuit boards

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: 200Sets / Month



Product Specification

- Upper Heating Power: 1200W
- Dimensions: L705×W655×H710mm
- Positioning Method: V-shaped Slot + Universal Fixture + Quick Positioning With Laser Alignment Lamp
- Chip Magnification: 2–32X
- Lower Infrared Heating Power: 2700W (1200W Controlled)
- Thermocouple Ports: 2 Pcs
- Total Power: 5200W
- Electrical Components: High-sensitivity Touch Screen + Self-developed MCU + Stepper Motor

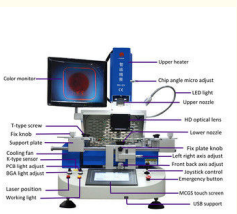


More Images











Our Produc

Product Description

Product Description:

WDS-620 Semi-Automatic BGA Rework Station

WDS-620 is a professional semi-automatic BGA rework station, specially developed for soldering and desoldering BGA, QFN, CSP and other fine-pi

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tch IC chips on PCBs. It is widely used for motherboard repair, electronics maintenance and small-batch PCB rework.

Core Advantages

Closed-loop K-type thermocouple temperature control, upper and lower heating zones controlled separately, temperature accuracy ±1°C, stable heating and avoid chip damage.

Laser positioning lamp + V-shaped slot + universal fixture, fast and convenient chip alignment.

HD optical vision system with 2~32X magnification, clear observation for tiny chips.

High placement accuracy ±0.02mm, max placement load up to 300g, stable for precise chip mounting.

Compatible with a wide range of PCB and chip sizes: PCB 10×10mm ~ 480×380mm, applicable chips 1×1mm ~70×70mm, minimum chip pitch 0.15mm.

Application

Perfect for electronics repair workshops, mobile mainboard repair, lab maintenance, semiconductor and PCB rework jobs.

Basic Parameters

Total Power: 5200W

Power Supply: AC 220V±10%, 50/60Hz

Dimension: L705×W655×H710mm

Net Weight: 55kg

PCB Thickness: 0.3–5mm

Technical Parameters:

PCB Thickness	0.3–5mm
Thermocouple Ports	2 Pcs
Dimensions	L705×W655×H710mm
Electrical Components	High-sensitivity Touch Screen + Self-developed MCU + Stepper Motor
Placement Accuracy	±0.02mm
Applicable Chip Size	1×1mm – 70×70mm
Min PCB Size	10×10mm
Upper Heating Power	1200W
Chip Magnification	2–32X
Temperature Control	High-precision K-type Thermocouple (Ksensor), Closed Loop Control; Independent Upper & Lower Temperature Control, Accuracy Up To ±1°C

Applications:

The Wisdomshow WDS-620 Semi Automatic BGA Rework Station is an advanced and reliable tool designed specifically for precise and efficient motherboard repair and rework tasks. Originating from Shenzhen, China, this CE-certified device is engineered to deliver exceptional performance with its powerful specifications, including a total power of 5200W and a lower infrared heating power of 2700W (1200W controlled). Its infrared preheating table ensures uniform heating, minimizing thermal stress and damage to sensitive components during the reflow process.

This BGA rework station is ideal for use in various electronics repair scenarios, especially those involving complex motherboard repairs where high precision is critical. With a placement accuracy of ±0.02mm and a minimum chip pitch capability of 0.15mm, the WDS-620 excels in handling tiny BGA chips and fine-pitch components, making it perfectly suited for tasks such as replacing or reballing chips on smartphones, laptops, gaming consoles, and other electronic devices.

The WDS-620 supports a minimum PCB size of 10×10mm, offering flexibility to work on a wide range of circuit boards from small to moderately sized ones. The semi-automatic operation mode combines ease of use with professional-grade control, providing technicians with efficient and repeatable rework outcomes. The device is packaged securely in a wooden case to ensure safe delivery and is available for quick shipment within 3-5 days, meeting the demands of busy repair shops and production lines.

With a monthly supply ability of 200 sets and a minimum order quantity of just one unit, the Wisdomshow WDS-620 is accessible to both individual technicians and larger repair centers. Payment is conveniently handled through TT terms, streamlining the procurement process. Whether you are engaged in small-scale repairs or medium-volume production, this BGA rework station is a trustworthy solution that enhances your capability to perform intricate motherboard repair and refurbishment using its efficient infrared preheating table technology.

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