Suitable Pcb Size Max 650x480mm Min 10x10mm Semi Automatic BGA Rework Station Rated Capacity 7500W Optical Alignment HD Optical CameraWDS-620

Our Product Introduction

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

- Package Type: Wooden Box
- Machine Mode: Semi Automatic
- Rated Capacity: 7500W
- Placement Mode: Semi Automatic
- Thermocouple Type: 4 Pcs Thermocouple Ports
- Optical Alignment: HD Optical Camera
- Applicable Chips: Min 0.6*0.6mm Max 80*80mm
- Ccd Camera: HD Optical Alignment Camera
- Highlight: **Semi Automatic BGA Rework Station 7500W, BGA Rework Station HD Optical Camera, Semi Automatic BGA Rework Station 650x480mm**

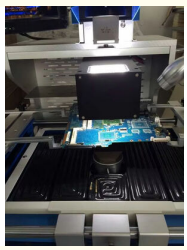


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Our Produc

Product Description

Product Description:

The Semi Automatic BGA Rework Station is a highly efficient and versatile tool designed specifically for professional cpu repair and electronic component servicing. This advanced BGA rework station excels in handling a wide range of chip sizes, making it an indispensable asset for technicians and repair specialists. It supports chips with dimensions as small as 0.6*0.6mm up to a maximum size of 80*80mm, ensuring compatibility with various BGA packages and other surface-mount devices commonly found in modern electronic

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circuits.

One of the standout features of this BGA rework station is its ability to accommodate printed circuit boards (PCBs) with thicknesses ranging from 0.3mm to 8mm. This broad PCB thickness compatibility allows users to work on everything from thin, delicate boards to thicker, more robust ones without compromising precision or safety. This flexibility is particularly valuable for cpu repair tasks, where different motherboard designs and materials require adaptable equipment.

Powered by an impressive maximum total power output of 7500W, this semi-automatic BGA rework station delivers rapid and consistent heating performance. The high power ensures efficient thermal transfer, leading to faster reflow and soldering processes while minimizing the risk of thermal damage to sensitive components. This level of power is crucial for achieving reliable and professional results during cpu repair and other intricate electronic repairs.

Equipped with four thermocouple ports, the station provides precise temperature monitoring and control throughout the rework process. The thermocouples enable accurate sensing of the heat applied to the chip and PCB, allowing users to set and maintain optimal temperature profiles. This feature enhances the safety and success rate of cpu repair operations by preventing overheating and ensuring uniform heat distribution.

Designed to operate on standard AC 220V power supply with a frequency of 50/60Hz, the BGA rework station is suitable for use in various regions and work environments. Its reliable power compatibility makes it easy to integrate into existing repair setups without the need for additional voltage converters or adapters.

The semi-automatic functionality of this BGA rework station strikes a perfect balance between manual control and automated precision, giving users the ability to customize the rework process while benefiting from consistent and repeatable results. This makes it an ideal choice for both experienced technicians and those new to cpu repair, as it simplifies complex soldering tasks without sacrificing quality.

In summary, the Semi Automatic BGA Rework Station is a robust, high-performance solution tailored for cpu repair and general electronic rework applications. Its wide chip size range, broad PCB thickness accommodation, powerful heating capability, multiple thermocouple ports, and standard AC power compatibility combine to deliver exceptional results in every project. Whether you are repairing delicate CPUs or performing comprehensive BGA rework tasks, this station provides the precision, efficiency, and reliability needed to achieve professional-grade repairs every time.

Features:

- Product Name: Semi Automatic BGA Rework Station
- Power Supply: AC 220V, 50/60Hz
- Rated Capacity: 7500W for efficient hot air heating
- Custom Temperature Segments for precise temperature control
- HD Optical Camera for accurate optical alignment
- Package Type: Durable Wooden Box for safe transportation
- Ideal for CPU repair and other PCB component rework
- Advanced hot air heating system ensures uniform heating
- Supports efficient CPU repair with precise temperature management

Technical Parameters:

Optical Alignment	HD Optical Camera
Package Type	Wooden Box
Current	AC 220V, 50/60Hz
CCD Camera	HD Optical Alignment Camera
Machine Mode	Semi Automatic
Temperature Segments	Custom Temperature Segments
Characteristic	X/Y Automatically Controlled
Total Power	Max 7500W
Heating Zones	Multiple Independent Heating Zones
Placement Mode	Semi Automatic

Applications:

The Wisdomshow WDS-620 Semi Automatic BGA Rework Station is an advanced and reliable solution designed specifically for the precise and efficient repair of a wide range of BGA chips. Originating from Shenzhen, China, this high-quality rework station is CE certified, ensuring compliance with international standards and superior performance. With a minimum order quantity of just one unit and a supply ability of 200 sets per month, it caters well to both small-scale workshops and larger production facilities. The product is carefully packaged in a sturdy wooden case, guaranteeing safe delivery within 3-5 days, with payment terms via TT for convenient transactions.

This BGA rework station is ideal for numerous application occasions and scenarios in the electronics manufacturing and repair industries. Thanks to its semi automatic placement mode, the WDS-620 offers a perfect balance between manual control and automated precision, making it suitable for both skilled technicians and less experienced operators. The integrated HD optical alignment CCD camera provides exceptional accuracy during chip placement and alignment, significantly reducing the risk of misalignment and improving the overall success rate of rework projects.

One of the standout features of the Wisdomshow WDS-620 is its multiple independent heating zones. These zones allow for uniform and controlled hot air heating, which is crucial when working with sensitive and varied chip sizes. The station supports a wide range of applicable chips, from a minimum size of 0.6*0.6mm to a maximum of 80*80mm, making it highly versatile for different BGA rework tasks. This capability ensures that the station can handle both tiny microchips and larger, more complex packages efficiently.

The hot air heating system used in this semi automatic BGA rework station ensures rapid, even heating of the components, minimizing thermal stress and preventing damage to the PCB and nearby components. This makes the WDS-620 an excellent choice for repairing motherboards, graphics cards, mobile devices, and other electronic assemblies where precision and care are paramount. Its wooden box

packaging further enhances the product's durability during shipping and storage.

In summary, the Wisdomshow WDS-620 semi automatic BGA rework station is perfectly suited for electronics repair shops, manufacturing lines, R&D laboratories, and educational institutions that require a dependable and efficient tool for BGA chip rework. Its combination of hot air heating, HD optical alignment, and multiple heating zones makes it an indispensable device for achieving high-quality, reliable repairs across a broad range of electronic components.

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