Semi Automatic BGA Rework Station BGA Rework Machine with 550×480mm Max PCB Size 8200W Total Power for 0.8×0.8mm-80×80mm Chip Size

Our Product Introduction

Basic Information

- Brand Name: Wisdomshow
- Certification: CE
- Model Number: WDS-800D
- Minimum Order Quantity: 1
- Packaging Details: Wooden Case
- Delivery Time: 3-5days
- Payment Terms: TT
- Supply Ability: 200Sets / Month



Product Specification

- Thermocouple Ports: 4 Pcs
- Power Supply: AC220V±10%, 50/60Hz
- Chip Magnification: 2-50X
- Applicable Chip Size: 0.8×0.8mm-80×80mm
- Max PCB Size: 550×480mm
- Total Power: 8200W
- Temperature Control: Closed-loop K-type Thermocouple, Upper & Lower Independent Heating, ±1°C Accuracy
- Placement Accuracy: ±0.02mm
- Highlight: **Semi Automatic BGA Rework Station 550×480mm**, **BGA Rework Station AC220V Power Supply**, **Semi Automatic BGA Rework Station 0.8-80mm Chip**



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Product Description

Product Description:

The Semi Automatic BGA Rework Station is an advanced and reliable tool designed specifically for precise motherboard repair and cpu repair tasks. Engineered to meet the demanding requirements of modern electronics servicing, this rework station offers exceptional placement accuracy of ±0.02mm, ensuring that every component is positioned with pinpoint precision. This high level of accuracy is crucial when working with delicate and complex components on motherboards, making it an indispensable asset for professional technicians and repair centers.

One of the standout features of this Semi Automatic BGA Rework Station is its wide applicability to a variety of chip sizes. It supports chip sizes ranging from as small as 0.8*0.8mm up to a substantial 80*80mm, providing versatility for a broad spectrum of repair jobs. Whether you're dealing with tiny BGA chips or larger CPU packages, this rework station can handle the task efficiently, ensuring reliable performance and minimal risk of damage during the rework process.

Equipped with four thermocouple ports, this rework station allows for precise temperature monitoring and control across different zones during the heating process. This feature is essential for ensuring uniform heat distribution, which is critical to prevent thermal damage to sensitive components and the PCB itself. The ability to connect multiple thermocouples enables technicians to tailor the heating profile to the specific requirements of each repair job, optimizing the soldering and desoldering procedures with improved safety and effectiveness.

Powering the Semi Automatic BGA Rework Station is a stable and reliable AC220V±10%, 50/60Hz power supply, which is standard in many regions around the world. This ensures consistent operation without fluctuations, providing a dependable source of energy to maintain the station's performance during extended repair sessions. The power supply specifications contribute to the overall durability and reliability of the equipment, making it suitable for continuous use in busy repair workshops.

The station is designed to accommodate a maximum PCB size of 550*480mm, allowing technicians to work on a wide range of motherboards and other circuit boards without restrictions. This generous working area means that even large motherboards from desktops, servers, or other electronic devices can be handled with ease. It enhances the station's utility by enabling repairs on various types of hardware, from compact consumer electronics to more extensive industrial equipment.

This Semi Automatic BGA Rework Station combines precision engineering with user-friendly operation, making it a perfect balance between manual control and automation. The semi-automatic nature of the station empowers technicians to efficiently manage the rework process while maintaining full control over critical parameters. This feature is particularly beneficial for cpu repair and motherboard repair tasks, where careful manipulation and timing are key to successful outcomes.

In summary, the Semi Automatic BGA Rework Station is an essential tool for any professional involved in motherboard repair or cpu repair. Its exceptional placement accuracy of ±0.02mm, support for a broad range of chip sizes from 0.8*0.8mm to 80*80mm, four thermocouple ports for precise thermal management, and capacity to handle large PCBs up to 550*480mm make it a versatile and powerful addition to any repair workshop. Coupled with its reliable AC220V±10%, 50/60Hz power supply, this station ensures consistent and efficient performance, allowing technicians to achieve high-quality repairs with confidence. Whether you are upgrading your repair capabilities or establishing a new workstation, this Semi Automatic BGA Rework Station provides the precision, flexibility, and reliability needed for today's demanding electronics repair environment.

Features:

Product Name: Semi Automatic BGA Rework Station
Total Power: 8200W for efficient heating and operation
High Placement Accuracy: ±0.02mm ensures precise component placement
Equipped with 4 Thermocouple Ports for accurate temperature measurement
Supports Applicable Chip Size from 0.8*0.8mm to 80*80mm
Chip Magnification range: 2-50X for detailed inspection and alignment
Advanced Optical Alignment System to facilitate precise motherboard repair
Ideal for motherboard repair and rework tasks requiring high precision

Technical Parameters:

Thermocouple Ports	4 Pcs
Applicable Chip Size	0.8*0.8mm - 80*80mm
Total Power	8200W
Chip Magnification	2-50X
Power Supply	AC220V±10%, 50/60Hz
Max PCB Size	550*480mm
Placement Accuracy	±0.02mm
Temperature Control	Closed-loop K-type Thermocouple, Upper & Lower Independent Heating, ±1°C Accuracy

Applications:

The Wisdomshow WDS-800D Semi Automatic BGA Rework Station is an advanced and reliable tool designed for precision soldering and repair tasks in electronics manufacturing and repair industries. Originating from Shenzhen, China, and certified with CE standards, this rework station guarantees high quality and safety for professional use. It is especially suitable for various product application occasions and scenarios requiring meticulous handling of BGA chips and components.

This rework station is ideal for CPU repair, where precise temperature control and accurate component placement are crucial. Thanks to its three heating zone design, the WDS-800D ensures uniform heat distribution, minimizing thermal stress and preventing damage to sensitive circuit boards. The upper and lower independent heating elements work in harmony with a closed-loop K-type thermocouple system to maintain temperature accuracy within ±1°C, making it perfect for delicate operations on a wide range of chip sizes from 0.8*0.8mm to 80*80mm.

The integrated optical alignment system enhances the accuracy of component positioning, reducing errors and improving the success rate of rework tasks. This feature is especially valuable in scenarios involving complex repairs or prototype development, where precision is paramount. The chip magnification capability of 2-50X provides clear visibility, enabling technicians to work efficiently on minute and intricate parts.

With a total power of 8200W and a power supply of AC220V±10%, 50/60Hz, the WDS-800D supports rapid heating and stable operation, suitable for high-volume production environments as well as specialized repair workshops. Its semi-automatic functionality strikes a balance between manual control and automation, offering flexibility and ease of use for technicians with varying skill levels.

Packaging in a sturdy wooden case ensures safe delivery within 3-5 days, with a minimum order quantity of just one unit. Payment is convenient via TT, and the supply ability of 200 sets per month meets the demands of both small and large scale operations. Overall, the Wisdomshow WDS-800D Semi Automatic BGA Rework Station is an essential tool for electronics repair shops, manufacturing plants, R&D laboratories, and educational institutions focusing on chip repair, rework, and assembly.

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