Shenzhen Wisdomshow Technology Co.,ltd
bgaxraymachine.com

High Precision Semi Automatic BGA Rework Station with 5200W Power for Motherboard Repair and Reballing

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: WISDOMSHOW
- Certification: CE, ISO, FDA
- Model Number: WDS620
- Minimum Order Quantity: 1

Product Specification

- Max Mouting Load: 150g
- Type: Semi Automatic
- Mounting Accuracy: ±0.01mm
- Weight: 12kg
- Weight Of Machine: 60KG
- Chip Size: Min 1*1mm
- Apply Chip Size: 0.8*0.8~120*120mm
- Maximum Mouting Load: 150G
- Applicable Pcb Thickness: 0.5-5mm
- The Power Supply: 5300W
- Bga Chip Size: Max120*120mm Min 0.8*0.8mm
- Application: BGA (Ball Grid Array) Rework
- Pcb Size: Max. 470x380mm
- Core Components: PLC
- Voltage: 220V

More Images

for more products please visit us on bgaxraymachine.com

Hot Air Infrared Combo BGA Rework Station WDS620

High Precision BGA Reballing Machine - WDS 620 BGA Reballing Machine, AC 220V BGA Soldering Machine

Technical Specifications

Power Supply	AC 220V±10% 50/60Hz
Total Power	5200W
Upper Heater Power	Max 1200W
Lower Heater Power	Max 1200W
IR Heater Power	Max 2700W

Detailed Parameter Specification

Power Supply	AC 110V/220V±10% 50/60Hz
Total Power	Max 5300W
Heater Power Distribution	Upper zone: 1200W, Second zone: 1200W, IR zone: 2700W
Electrical Components	Driving motor + PLC smart temperature controller + color touch screen
Temperature Control	High precision K-sensor (Closed Loop), independent temperature controller, precision ±1
Positioning System	V-shape slot, adjustable PCB support jigs, laser light for fast centering and positioning
PCB Size Range	Max 500*380mm, Min 10*10mm
Applicable Chip Sizes	Max 80*80mm, Min 1*1mm
Overall Dimensions	650*630*850mm (L*W*H)
Temperature Interface	1 unit
Machine Weight	60KG
Color	White & Blue

Advanced Operating Modes

The WDS-620 features 5 operational modes: Remove, Mount, Weld, Manual, and Semi-auto. Operators can freely switch between automatic, semi-automatic, and manual operation modes.

Independent 3-Zone Temperature Control System

Upper and lower hot air heating simultaneously targets components and PCB
Bottom IR heating with temperature precision control within ±1
8-segment independent temperature control system
Hot air district heating for BGA and PCB simultaneously
Large area IR heater preheating prevents PCB deformation during rework
Upper and lower temperature zones can operate independently or combined
High precision K-type thermocouple closed-loop control with PID parameter self-setting
4 temperature curves display with instant analysis function
Multiple user data profiles can be saved
External measurement interface for precise temperature testing

Precision Optical Alignment System

High-definition adjustable CCD color optical alignment system with beam split, amplification, reduction, and auto-focus capabilities. Features automatic color aberration resolution, brightness adjustment, and adjustable image contrast. Equipped with 15" high-definition LCD monitor.

Multi-Functional Operation System

- High-definition touch human-machine interface
- Upper heating head and mounting head designed as 2-in-1 unit
- Multiple titanium alloy BGA nozzles with 360-degree rotation
- X, Y, and R angle micrometer fine-tuning with ±0.01mm precision

Safety Protection Features

- Automatic alarm function after BGA welding completion
- Automatic circuit power-off during temperature abuse conditions
- Dual over-temperature protection system
- Temperature parameter password protection to prevent unauthorized modifications

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