



Full Auto BGA Rework Station with 1200x900mm Repair Size and $\pm 0.01\text{mm}$ Mounting Precision for Motherboard Repair

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Wisdomshow
- Minimum Order Quantity: 1
- Price: CN¥339,653.24



Product Specification

- Max Input Power: 28000W
- Voltage: 110/220V
- Dimensions: L1350*W1300*H1850mm
- Weight: 1000kg
- Repair Size: Max1200*900mm, Min 10*10mm
- BGA Size: Max120*120mm, Min 0.6*0.6mm
- Mounting Precision: $\pm 0.01\text{mm}$
- Thermocouple Port: 13pcs
- Total Power: Max 10400W
- Heater Power: Upper Heater 1200W, Bottom Heater 1200W, IR Heater 8000W MAX
- Temperature Precision: ± 1
- PCB Size: Max 1200x700mm, Min 10x10mm
- Applicable PCB Thickness: 0.3-8mm
- Chip Amplification: 1-200X



More Images



Product Description

WDS-1250 Auto CCD BGA Rework Station

Full automatic BGA rework station designed for large industrial control motherboards and 5G service motherboard repair with maximum PCB size support of 1200mm × 700mm.

Application Domain

Specifically designed for large-size industrial control motherboards and 5G service motherboard repair. Features computer-controlled operations with HD optical alignment system and 3-in-1 heating technology (hot air + IR + gas including nitrogen or compressed air). Suitable for removing or soldering various chip types including POP, CCGA, BGA, QFN, CSP, LGA, Micro SMD, and MLF.

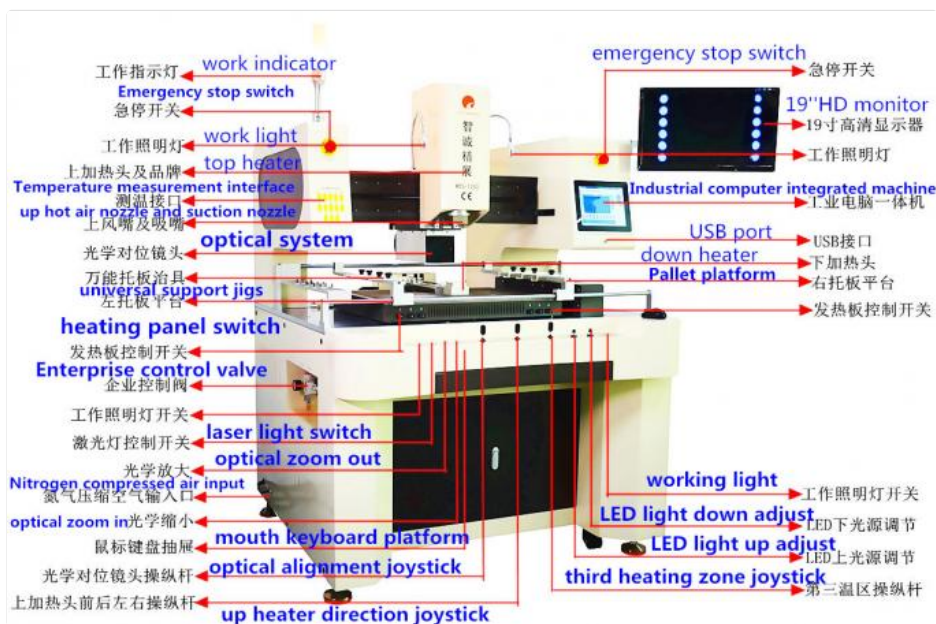
Technical Specifications

Power Supply	AC 110V/220V ±10% 50/60Hz
Total Power	Max 10400W
Heater Power	Upper heater 1200W, bottom heater 1200W, IR heater 8000W MAX
Locating System	Optical camera + V-shape card slot + adjustable PCB support jigs + laser positioning
Temperature Control	High precision K-sensor (Closed Loop), ±1 precision
Electrical Components	Servo motor + PLC control + smart temperature controller + high sensitivity touch screen IPC
PCB Size	Max 1200 × 700mm, Min 10 × 10mm (customizable)
PCB Thickness	0.3-8mm
Chip Size Range	Max 120 × 120mm, Min 0.6 × 0.6mm
Minimum Chip Space	0.15mm
Mounting Accuracy	±0.01mm
Alignment System	Optical lens + HD industrial camera
Temperature Interfaces	13 sensors
Overall Dimensions	L1350 × W1300 × H1920mm
Weight	650KG

Key Features

- 10-axis interlock system with electric motor drive control for all movements
- Stores over 5000 temperature profiles for high-volume motherboard rework
- Upper heater and CCD camera can move front/back and left/right to eliminate dead angles
- Manual flow cool down system protects chips from high temperature damage
- Side camera for monitoring solder ball melting during process
- High sensitivity touch screen IPC with intelligent operation system
- Built-in vacuum pump with automatic memory function
- Automatic nozzle height identification with precise pressure control (10 grams range)
- 22x optical zoom with color high-definition optical system
- Heat and mount head 2-in-1 design with auto rotation and removal functions
- Dual-channel heating system with 80mm air outlet for fast temperature response
- Large bottom preheater zone (720×600mm) with German infrared heating panels
- Nitrogen inlet for protected soldering process

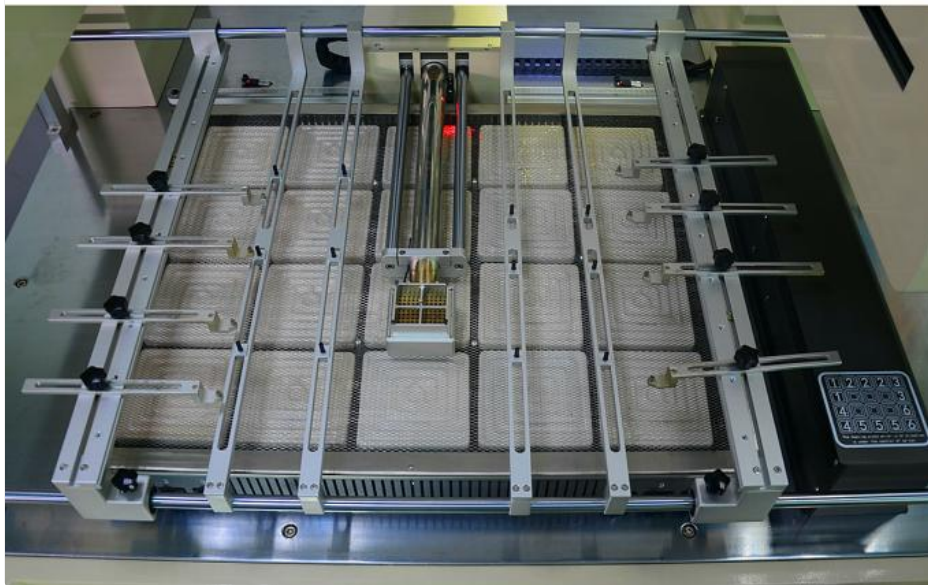
Product Images

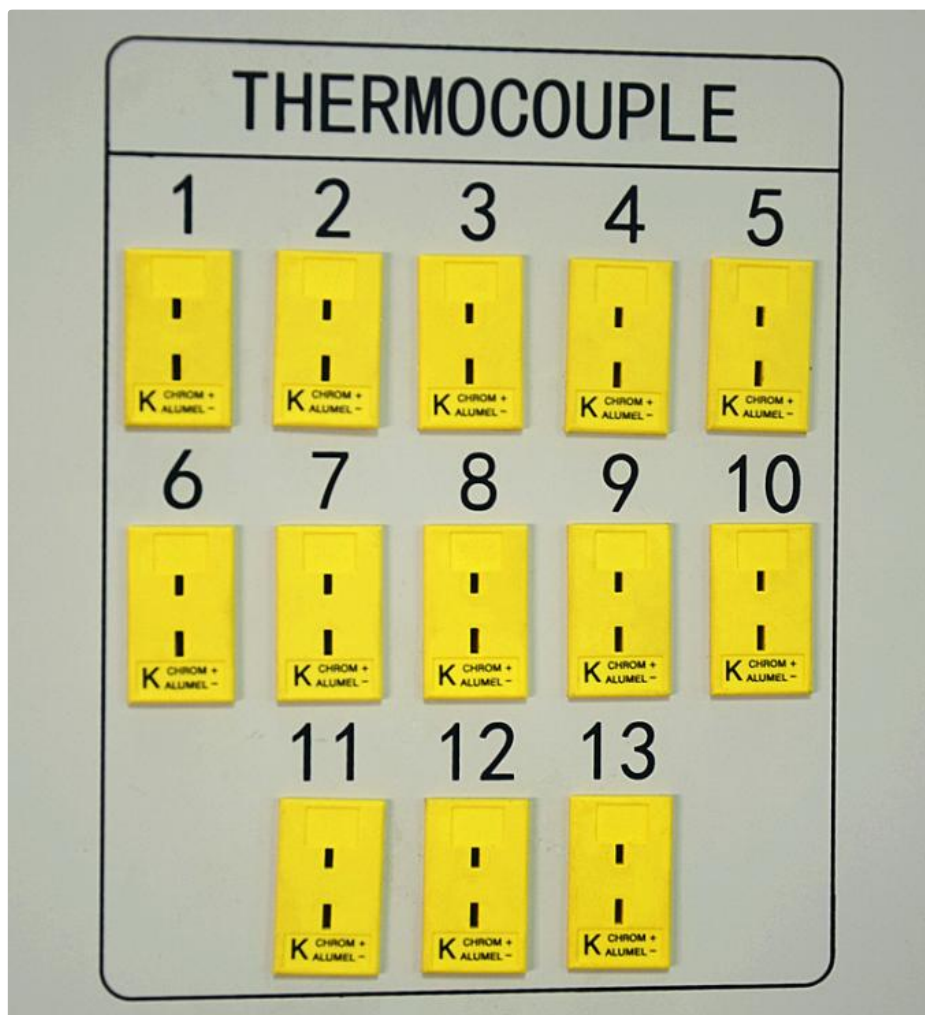




PCB size : 1200*900mm

IR area : 720*600mm





- * 11个测温通道，实时监测板面及芯片多点温度
- * 2个温度触发通道（分别为提前预热触发及芯片表面





Packaging



Why Choose WDS

- Manufacturer with own factory, design team, and production facilities
- Rich experience in BGA rework station technology
- Product development based on customer feedback
- OEM services available
- 100% new products directly from WDS factory
- Excellent quality control and inspection teams

Good reputation domestically and internationally

Free spare parts within 1 year warranty

Lifetime technical support and training

Business Partners

Customers come to factory place order



Chad



Lebanon



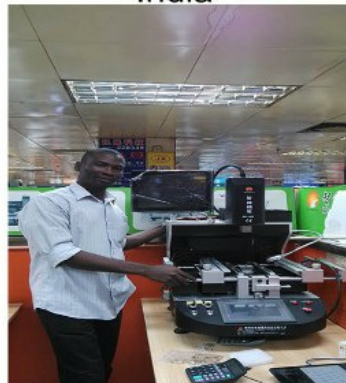
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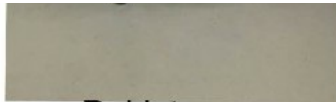


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Syed NH Saikat is 😊 feeling thankful at 📍 IT Solutions.

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Sorry for being late upload & thanks.. Ivy Zhou

We could not change VGA chip for a long time, because there are some problems in our machine. while facing problem in my machine ,I knocked them (Shenzhen Wisdomshow-WDS Technology Co.ltd) over the We Chat . They fixed up the problem & gave me the solution through online. I tried it as per their guidance & it worked. Now we can replace all kind of VGA chip.. Wisdomshow-WDS you guys are amazing.. 😊





C'est une excellente machine, j'ai lu qu'on pouvait mettre une micro SD avec des données, avez-vous une avec des données pour des pc et smartphones Apple ?





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