



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

### Basic Information

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



### Product Specification

- Max Input Power: 100 W
- Rated Capacity: 10400W
- Voltage: 110/220V
- Dimensions: L1350\*W1300\*H1920mm
- Weight: 650kg
- Repair Size: Max1200\*900mm, Min 10\*10 Mm
- BGA Size: Max120\*120mm, Min 0.6\*0.6mm
- Mounting Precision:  $\pm 0.01\text{mm}$
- Thermocouple Port: 13pcs
- Heater Power: Upper Heater 1200W, Bottom Heater 1200W, IR Heater 8000W MAX
- Temperature Precision:  $\pm 1$
- PCB Size: Max 1200 × 700mm Min 10×10 Mm
- 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 with CCD camera system for large motherboard repair, featuring PLC control and 110V/220V operation

#### Application Domain

Designed for large-size industrial control motherboards and 5G service motherboard repair with maximum PCB size of 1200mm × 700mm. Computer-controlled operations with HD optical alignment system and 3-in-1 heating (hot air + IR + gas). Suitable for removing/soldering various chip types including POP, CCGA, BGA, QFN, CSP, LGA, Micro SMD, and MLF.



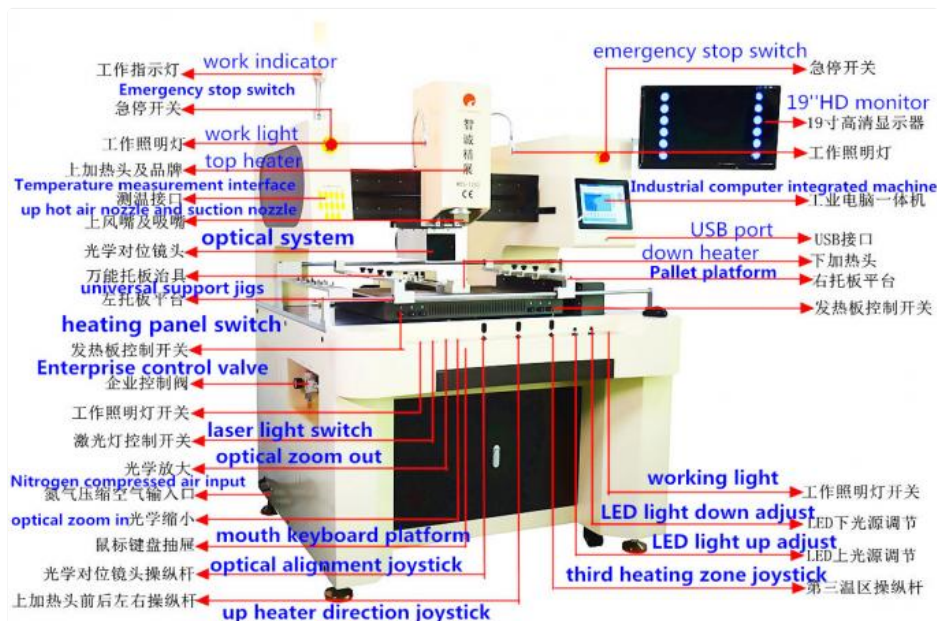
#### Technical Specifications

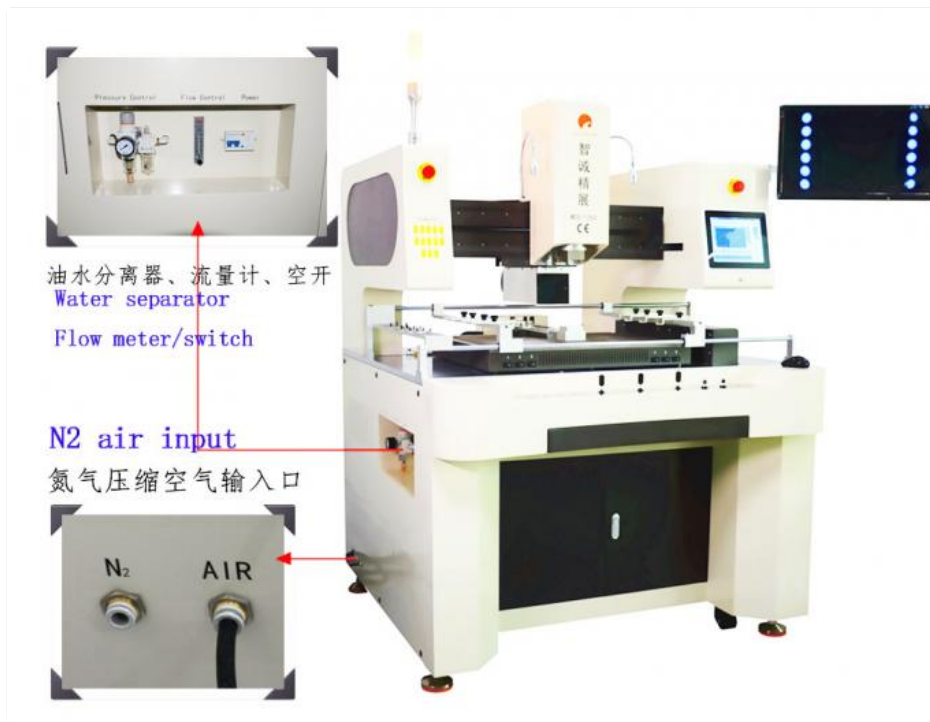
Power Supply	AC 110V/220V ±10% 50/60Hz
Total Power	Max 10400W
Heater Power	Upper heater 1200W, bottom heater 1200W, IR heater 8000W MAX
Locating System	Optical camera + V-shape card slot + adjustable PCB support jigs + laser positioning
Temperature Control	High precision K-sensor (Closed Loop), ±1 accuracy
Control System	Servo motor + PLC control + smart temperature controller + touch screen IPC
PCB Size Range	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 Sensors	13 points
Dimensions	1350×1300×1920mm (L×W×H)
Weight	650kg

## Key Features

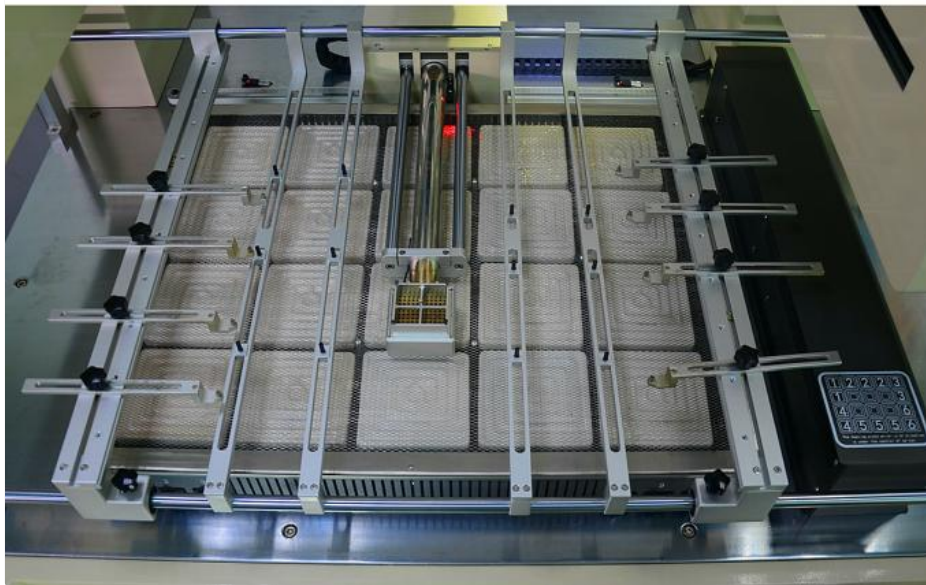
- 10-axis interlock system with electric motor drive for all movements
- Stores over 5000 temperature profiles for batch processing
- No rework dead ends with X/Y directional movement design
- Manual flow cool down system protects chips from high temperature damage
- Side camera for monitoring solder ball melting during process
- High-sensitivity touch screen IPC with intelligent operation system
- Built-in vacuum pump with automatic memory function
- Automatic chip height identification with 0 pressure suction
- 22x optical zoom with color high-definition optical system
- Heat and mount head 2-in-1 design with auto rotation function
- Dual-channel heating system with 80mm air outlet
- Large bottom preheater zone (720×600mm) with German infrared panels
- Nitrogen inlet for protected soldering process
- 10-section temperature control with constant temperature zones



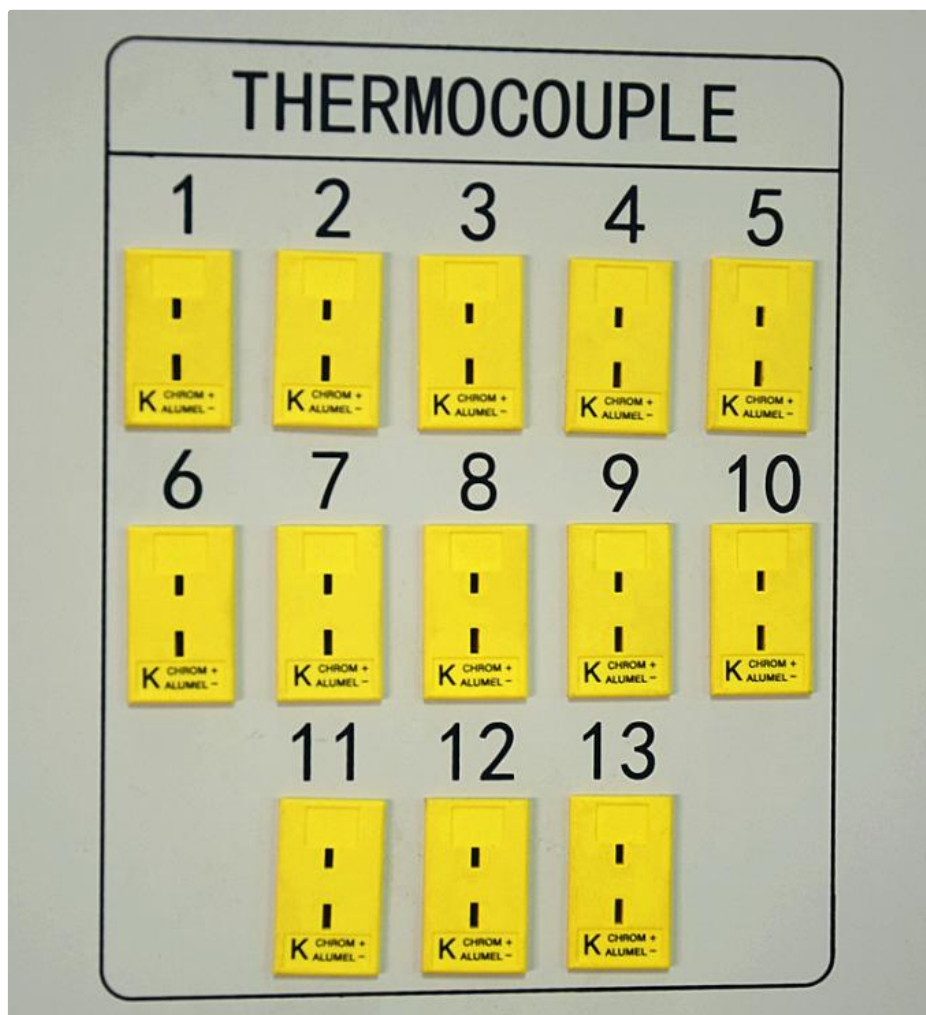


PCB size : 1200\*900mm

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 & Shipping





## Why Choose WDS

- Manufacturer direct - own factory with complete production control
- Rich experience in BGA rework station technology
- Custom product development based on customer requirements
- OEM services available
- 100% new equipment from WDS factory
- Excellent R&D and quality control teams
- International reputation for reliability
- Free spare parts within 1 year warranty
- Lifetime technical support and training

## Business Partners

Customers come to factory place order



Chad



Lebanon







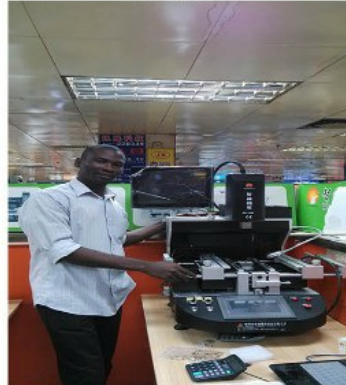
Banglades



India



Turkey



Nigeria



Sudan



Egypt



India



Bangladesh



Bangladesh



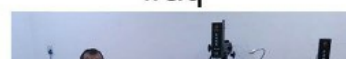
South Africa



Norway



Iraq





Saudi Arabia



Bangladesh



Jordan



France



Morocco



Egypt



Lebanon



Pakistan



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

2 hrs · Dhaka, Bangladesh · 🌐

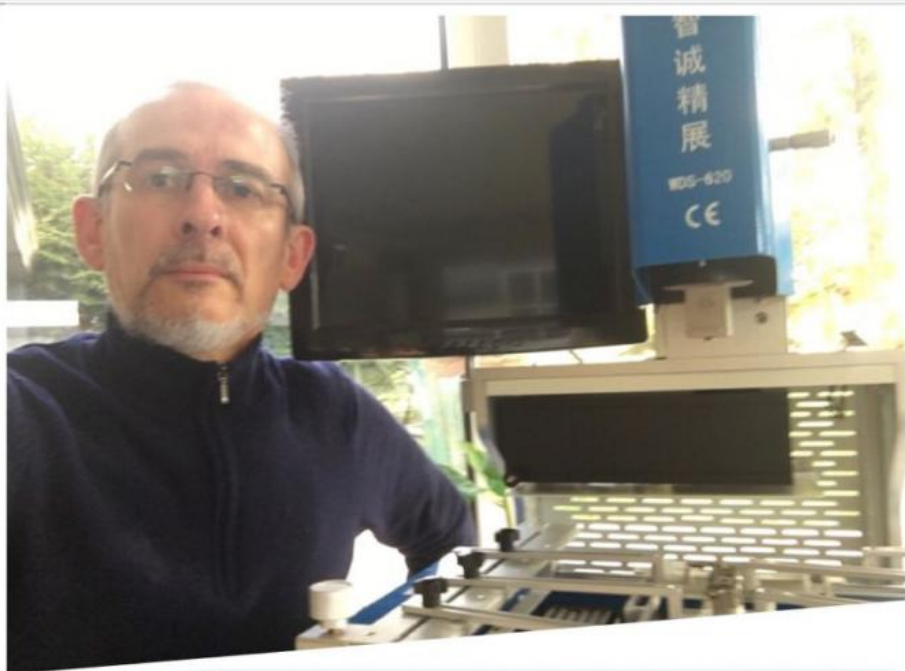


Sorry for being late upload & thanks.. Ivy Zhou

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 ?







**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