



## Semi-Automatic BGA Rework Station with 8200W Max Input Power and Hot Air Heating for Precision PCB Repair

### Our Product Introduction

#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Wisdomshow
- Minimum Order Quantity: 1
- Price: CN¥88,581.12-93,425.40

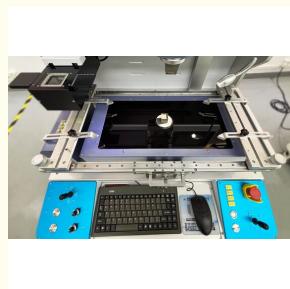
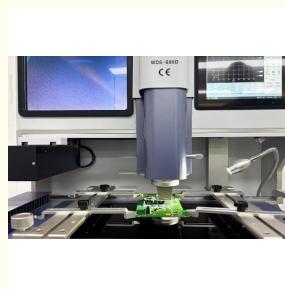


#### Product Specification

- Max Input Power: 8200W
- Rated Capacity: 5800~8200W
- Voltage: 110V, 220V
- Current: 15A
- Dimensions: L820\*W760\*H1400mm
- Weight: 200kg
- Upper Heating Power: 1600W
- Lower Heating Power: 1200W
- IR Heating Power: 2400~4800W
- Power Supply: Two-phase 220V, 50/60Hz
- PCB Size: 10\*10mm~590\*400mm
- Applicable Chips: 0.8\*0.8mm-90\*90mm
- Maximum Load: 300G
- Chip Magnification: 2-80 Times
- Preheating Area: 500x420mm



#### More Images



### Product Description

#### Precision Automatic BGA Rework Station WDS-880D

The WDS-880D is a high-end, fully automatic BGA rework system designed for precision, efficiency, and reliability in advanced PCB repair. With intelligent temperature curve generation, real-time thermal monitoring, and solid-state control, the WDS-880D provides stable, repeatable results even under lead-free conditions. Ideal for electronics manufacturing, R&D labs, automotive electronics, and high-reliability repair centers.



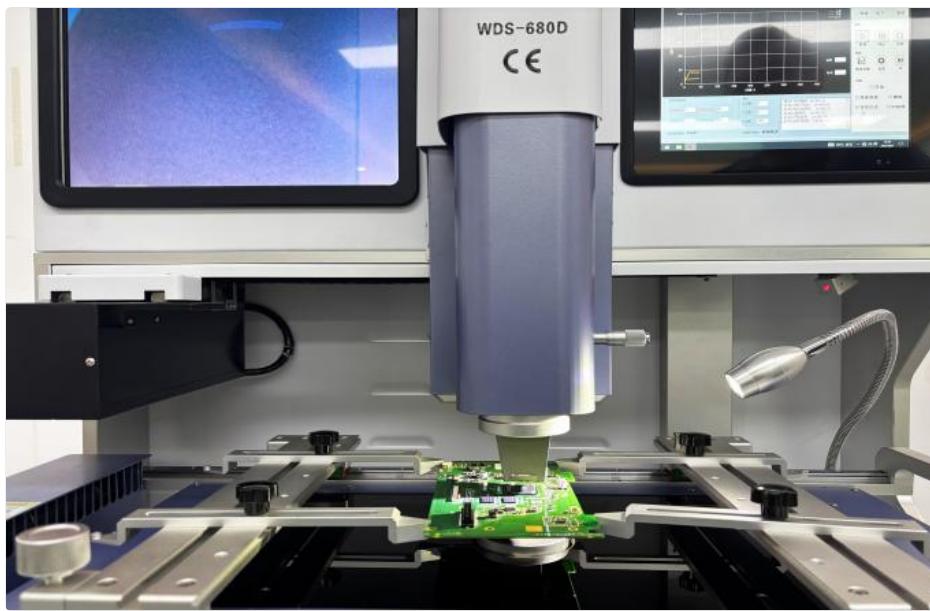
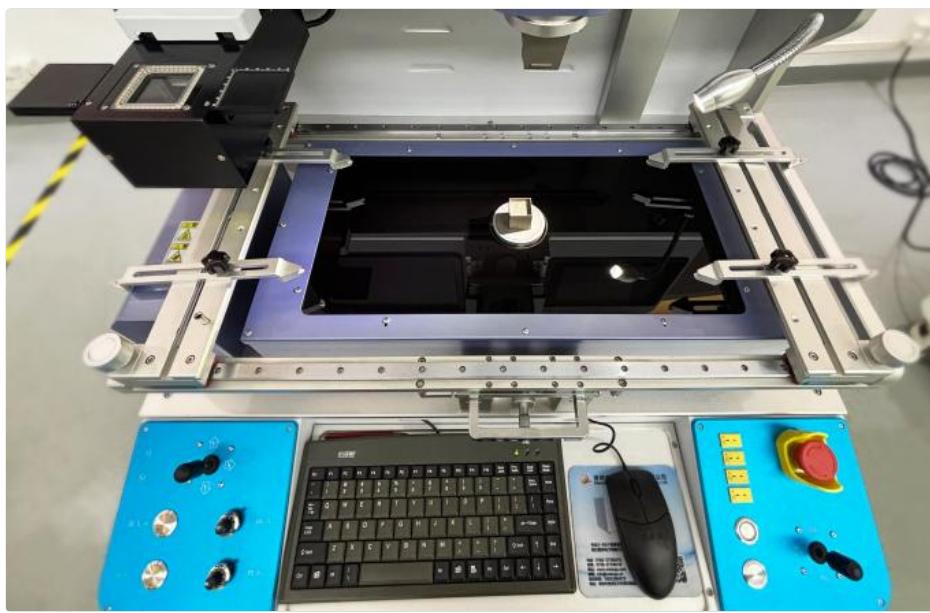
#### Key Features

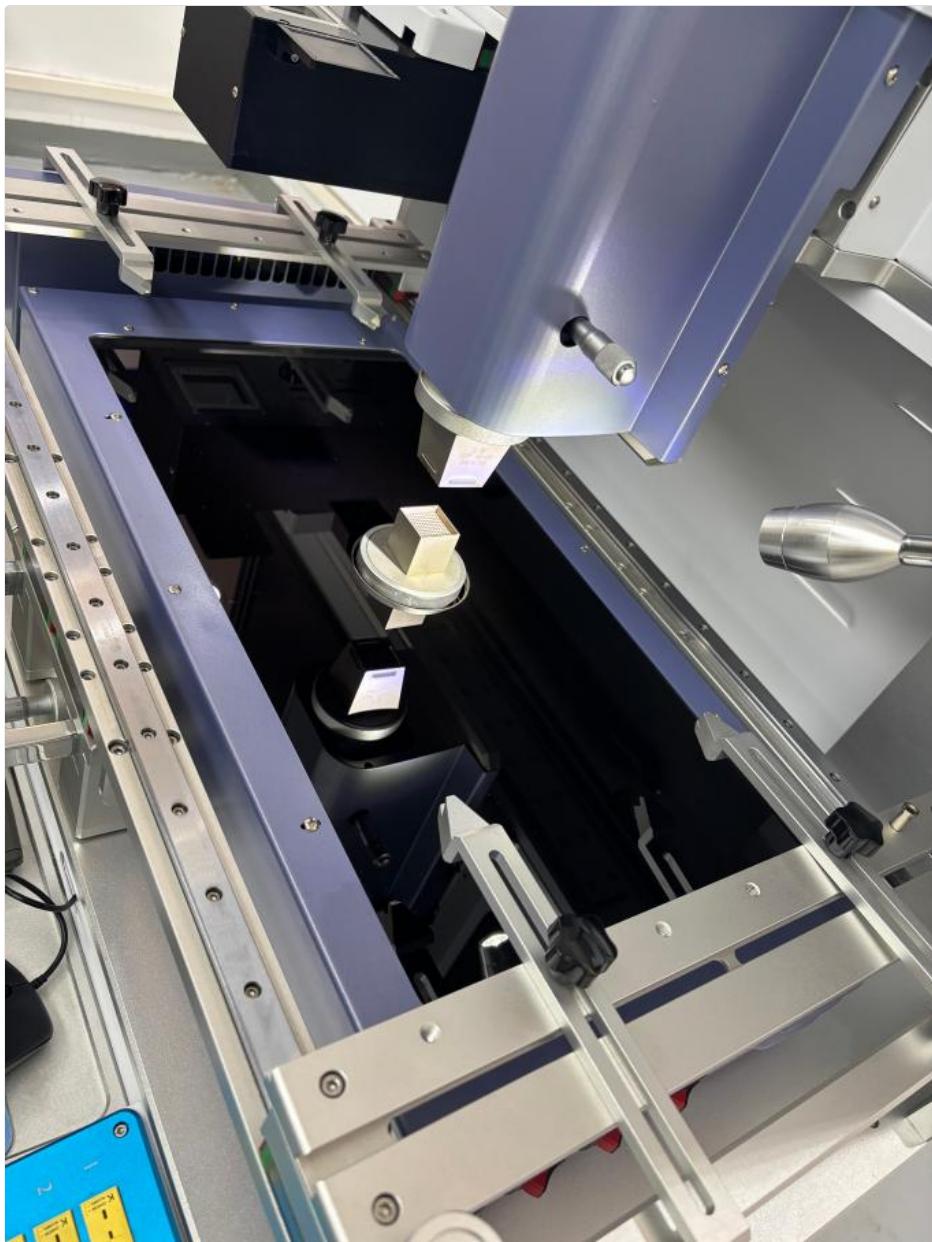
- Integrated hot air head and placement head design with automatic placement, soldering, and removal capabilities
- Upper hot air system for rapid, uniform heating and cooling (50-80°C drop), meeting lead-free soldering requirements
- Lower heating zone with hybrid infrared and hot air system for rapid PCB heating (up to 10°C/s) with uniform temperature distribution
- Synchronized upper and lower zones with automatic positioning within the bottom infrared preheating zone
- High-precision sliders for accurate BGA and PCB placement
- Premium German-imported infrared gold-plated light tubes and anti-glare constant-temperature glass (resistant to 1800°C)
- Movable preheating platform, clamping mechanism, and cooling system in X-axis for safer PCB positioning
- Automatic motor-controlled X and Y axis movement with maximum clamping plate size of 590 x 400 mm
- Dual joystick control, alignment lenses, and built-in vacuum pump with precise nozzle adjustment
- Automatic material detection and placement height sensing with 10-gram pressure control
- Color optical vision system with dual-color spectroscopic, magnification, and autofocus capabilities
- Various alloy hot air nozzles with 360° rotation positioning
- 4 temperature measurement ports with multi-point real-time monitoring and analysis
- Solid-state operating display for safe and reliable temperature control
- Automatic generation of standard SMT temperature removal curves
- Optional camera for observing solder ball melting points

<b>The Total Power</b>	5800~8200W
<b>Upper Heating Power Supply</b>	1600W
<b>Lower Heating Power Supply</b>	1200W
<b>IR Heating Power Supply</b>	2400~4800W
<b>Power Supply</b>	Two-phase 220V, 50/60Hz
<b>Positioning Method</b>	V-shaped slots fix the PCB, laser positioning lights quickly locate the position, and the motor can be moved freely on the X and Y axes through the joystick.
<b>Temperature Control</b>	High-precision K-type thermocouple (Ksensor) closed-loop control (Closed Loop), independent upper and lower temperature measurement, temperature control accuracy can reach $\pm 1$ degree.
<b>Electrical Appliance Selection</b>	PC control system + high-precision temperature control module + motion control board + Panasonic servo + stepper driver
<b>Tin point monitoring</b>	External camera monitors the solder ball melting process during welding (optional)
<b>MES system</b>	Reserved MES port
<b>Feeding device</b>	Automatic feeding device
<b>Maximum PCB Size</b>	590×400mm
<b>Minimum PCB Size</b>	10×10mm

<b>Number of temperature measuring interfaces</b>	4
<b>Chip magnification</b>	2-80 times
<b>The PCB Thickness</b>	0.5-10mm
<b>Applicable chips</b>	0.8*0.8mm-90*90mm
<b>Minimum chip spacing</b>	0.15mm
<b>Maximum load for mounting</b>	300G
<b>Mounting accuracy</b>	$\pm 0.01$ mm
<b>Overall Dimensions</b>	820×760×1400mm
<b>Machine Weight</b>	About 200kg
<b>Other Features</b>	Dual joystick operation, automatic/manual mode switching, 7-axis electric motion control, original dual-channel heating technology PCB preheating, MES port; smoke purification system







## Packaging & Shipping

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Standard export wooden package for BGA rework station

Delivery within 15 workdays after payment confirmation

Shipping via TNT, UPS, DHL, FEDEX (IE), Aramex, air, or sea

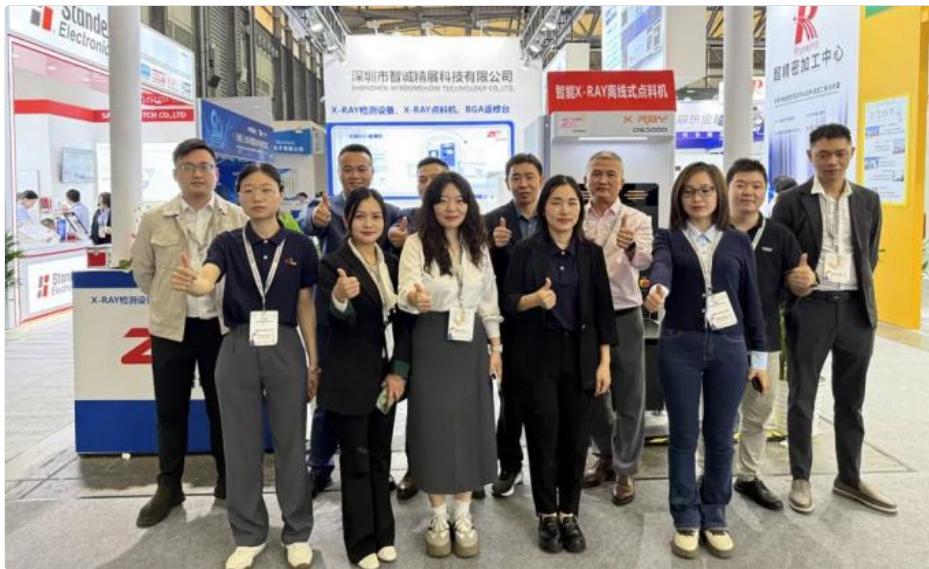
Loading Port: Shenzhen or Hongkong

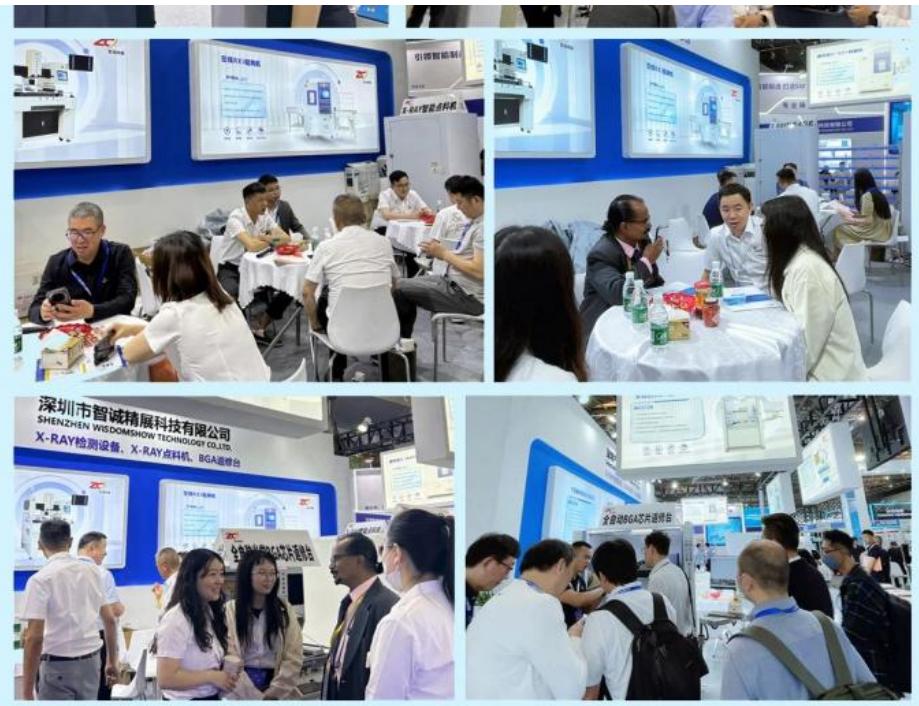


## Company Information

Welcome to visit our company! We are a factory with over 11 years of experience manufacturing BGA rework stations, X-ray inspection, and X-ray counting machines. Our 3000 square meter facility serves global brand distributors.







## Frequently Asked Questions

### Q1: Are you a Trading Company or Manufacturer?

A1: We are a factory with over 11 years of experience manufacturing BGA rework stations, X-ray inspection and X-ray counting machines. We have a 3000 square meter factory and are looking for global brand distributors.

### Q2: What is your quality control process?

A2: We use premium PLC materials and all products are patented and certified. We perform 100% testing on all products before packing with an excellent production and QC process to ensure every product works properly before shipment.

### Q3: What's your MOQ?

A3: No minimum order quantity! We accept single unit orders and provide retail service for all orders.

### Q4: How can I trust your company?

A4: We welcome factory visits and have many distributors in China. Our brand and models are easily searchable online, and we hold numerous authority certificates.

### Q5: What payment methods do you accept?

A5: We accept most payment methods on Alibaba, primarily T/T and Western Union.

### Q6: What's your best price for this product?

A6: We provide competitive pricing along with excellent service for all customers.

### Q7: What are your shipment terms and delivery time?

A7: Standard delivery within 15 days, depending on order quantity. We maintain ample stock for standard items with 1-2 business day delivery for in-stock items.

## Our Services

### Pre-Sales Service

All production lines have adequate quality control with independent QA/QC inspectors. All products are CE & ISO certified.

### After-Sales Service

Free spare parts and service within 12 months warranty (other costs borne by buyer). We provide demo operation videos for training and welcome factory visits for hands-on testing with engineer support.

### Your inquiry will be replied to within 24 hours

Additional benefits include:

- Free spare parts and service within one-year warranty (other costs on buyer's account)
- Technical support with demo operation videos
- Professional after-sales service
- Attractive discounts for agency partnerships



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