



Full Automatic 7600W Power BGA Rework Station with HD Optical Alignment for PCB Repair

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: WISDOMSHOW
- Minimum Order Quantity: 1
- Price: CN¥68,442.76-88,581.12

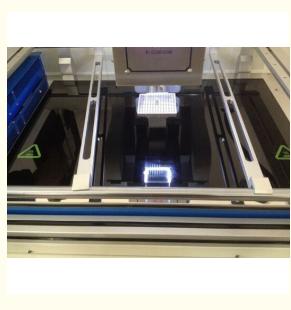
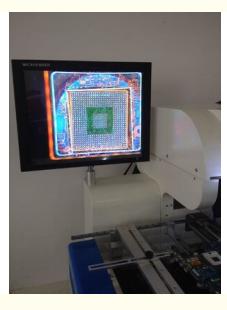


Product Specification

- Max Input Power: 8300
- Voltage: 220/110V
- Current: 50/60Hz
- Dimensions: L970*W700*H830mm
- Weight: 150KG
- Total Power: 7600W
- PCB Size: Max610x500mm Min 10*10mm
- BGA Chip Size: Max90*90mm Min 0.3*0.6mm
- Heater Power: Upper Temp.zone 1200W, Second Temp.zone 1200W, IR Temp.zone 5000W
- Alignment System: Optical Prism + HD Camera
- Thermocouple Port: 5pcs
- Mounting Precision: ±0.01mm
- PCB Thickness: 0.5-8mm
- Max BGA Weight: 1000G



More Images



Product Description

Full Automatic WDS-800A Soldering and Desoldering Rework Station

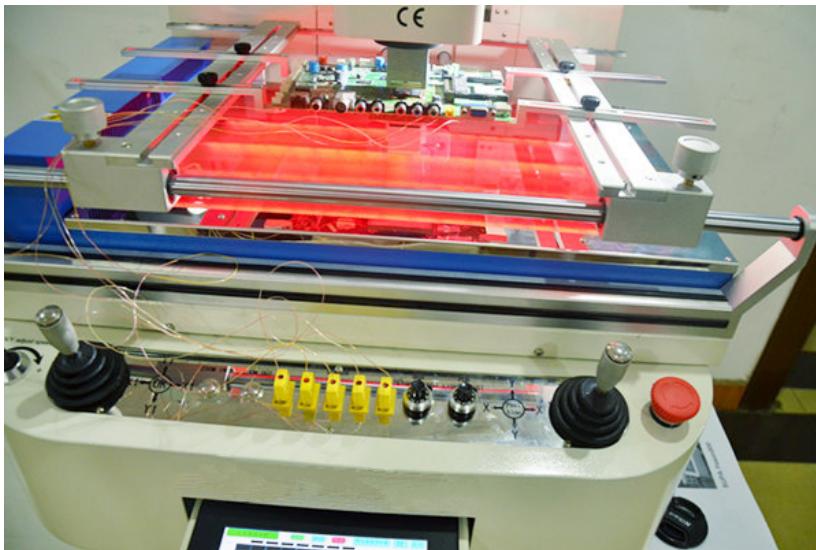
Professional BGA rework station for electronic PCB mainboard repair, designed for iPhone, PlayStation, Xbox console, and other electronic device maintenance.



Main Features

- Integrated hot air head and mounting head design with automatic soldering and desoldering functions
- Independent 3-heater system with synchronized upper and lower heaters for complete IR coverage
- Motor-controlled lower heater with X/Y axis movement and PCB support
- High-precision slider system for accurate BGA and PCB mounting
- German-imported heating materials with IR tube and heat-resistant glass (up to 1800°C)
- Large pre-heating area of 500×420mm

Integrated preheating table, clamping device, and cooling system with X-axis movement
Motor-controlled X and Y axis alignment for efficient space utilization
Maximum PCB size capacity: 650×610mm with no repair dead corners
Dual rocker camera control for precision alignment
Built-in 360° rotating vacuum pump with fine-adjusting mounting suction nozzle
Automatic BGA pickup and mounting height detection with pressure control
10-segment temperature control with parameter curve analysis
Multiple alloy nozzle sizes with full-angle positioning
5 thermocouple ports for real-time multi-point temperature monitoring
Automatic SMT standard temperature curve generation
Optional camera for observing solder melting points



BGA Repair Process

How to Separate BGA Chip from Motherboard

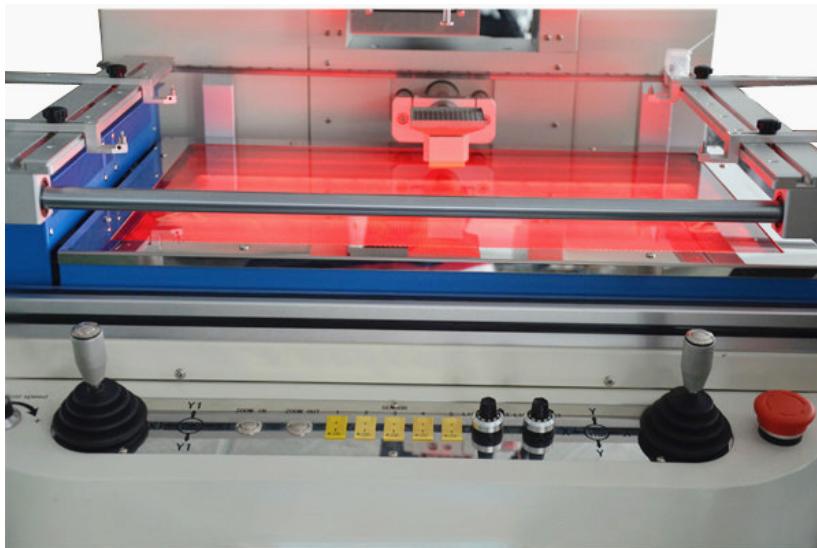
Desoldering - Separate BGA chip from motherboard
Clean Pad - Prepare the contact surface
Reballing or replace with new BGA chip
Alignment/Positioning - Using silk frame or optical camera
Soldering - Install new BGA chip

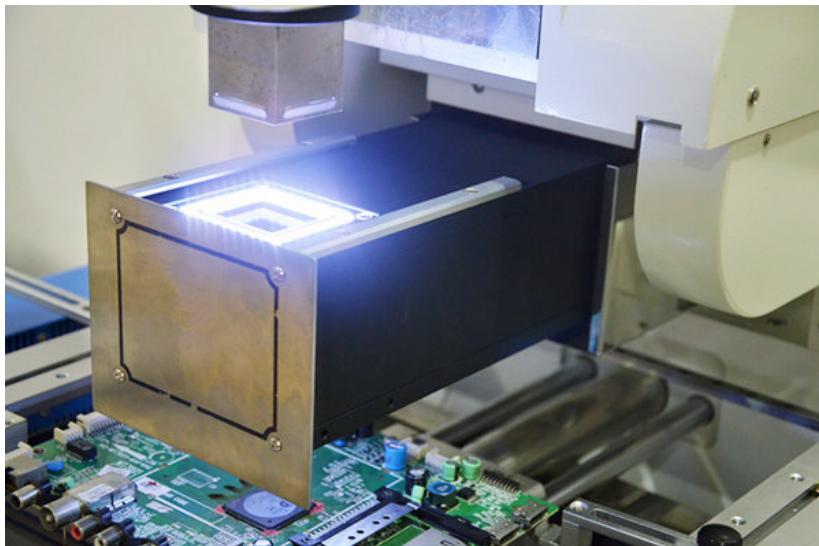
Technical Specifications

Parameter	Specification
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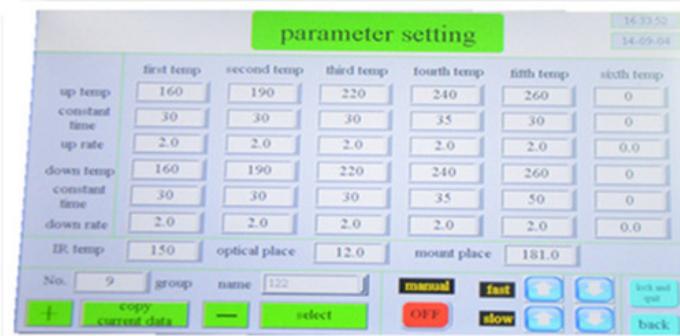
Power Supply	AC 220V±10 50/60Hz
Total Power	7600W
Heater Power	Upper temp.zone 1200W, Second temp.zone 1200W, IR temp.zone 5000W
Electrical Material	High sensitive touch screen + temperature control module + PLC + step driver
Temperature Control	High precision K shape sensor (Closed Loop), Precision ±2
Locating Way	V shape holder & universal jigs
PCB Size	Max 610×500mm, Min 10×10mm
Applicable Chips	Max 90×90mm, Min 0.3×0.6mm
PCB Thickness	0.5-8mm
Max BGA Weight	1000G
Mounting Precision	±0.01mm
Overall Dimension	L780×W980×H950mm (without frame)
Thermo-couple Ports	5 pcs
Machine Weight	140KG
Alignment System	Optical lens + HD industrial camera
Min. Ball Pitch	0.15mm

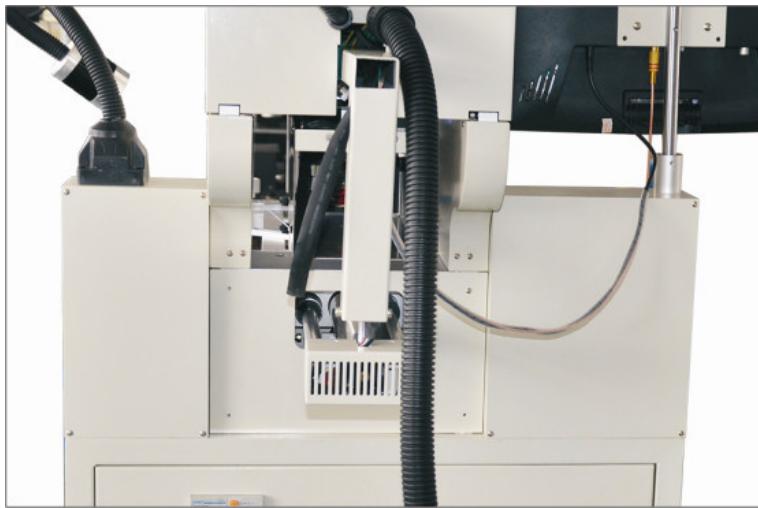
Product Images





Sensitive Operation Interface





Shipping & Packaging

Standard Export Wooden Cases

Delivery within 2 workdays after payment confirmation

Shipping via TNT, DHL, FEDEX, air or sea freight

Loading port: Shenzhen or Hong Kong



Company Profile

Shenzhen Wisdomshow Technology Co., LTD.

Professional BGA Rework Station Manufacturer

- Business philosophy: "professional, integrity, excellence, customer first"
- Leading manufacturer of BGA rework stations
- Over 10 years' experience in BGA rework industry
- All models CE Certified and ISO compliant
- 100% QC inspection before shipment
- Customized brand logo available
- Large global market share

Services & Support

- 24-hour technical support via email or phone
- One-year warranty (other costs borne by buyer)
- Demo operation videos for training
- On-site demonstration available at our facility
- Friendly English user manual provided
- Professional after-sales service
- Competitive pricing with agency discounts

Customer Feedback

"Hi mate, your best price and high purity product is so competitive in my country, this let me make much profit, my customers are really like it. cooperate with you is so wonderful! thank you!" - Richard, Turkey

"I have received my products, your packing is do discreet and perfect, it really amazed me. I will order more from you as soon as possible. thanks a lot." - Robert, Australia

"I have cooperated with you for many times, your product quality is so great, that is why I still buy the products from you. thank you." - Corentin, Brazil



How about the WDS-430
bga machine ?



It's okey working great

Good 😊 thank you for your
support. ~~Dear Joe~~, how are you ?

How about the use of WDS-
430 bga rework station ?



Hi
I am good, you?

I'm satisfied

Great. Glad to heard about



How about the WDS-700
bga machine ?



Very well and you Thank
you for the machine I am
doing very good works.

Good, glad to hear that and
thanks for your support. We
will still be your best service.

Hello Amit, how are you ? about one years passed, if you remember me ? Ahaha, for the machine WDS-620 supplier. 😊

yes

whats new

Are you still working today ?

yes

May I know how about the use of WDS-620 ?

Is it a good helper for your company ?

we used it its working fine

Good , glad to here that . Any end of last year, we have 1

Any works done ?



,many works since a got
machine 😊

Ahaha, More customer,
More business,More
money, and then you could
buy a new car 😊

How about the WDS-4860
bga machine ?

buy a new car 😊

How about the WDS-4860
bga machine ?



,next year i buy another
machine to you,, i upgrade
to semi automatic,, pick
and place machine

,WDS-4860 is good,, i got
already the money i spend
for it 😊

Order Information

For any questions, please send an inquiry or chat with us. We will be glad to service you! Contact us for the best pricing and order your WDS-800A BGA Rework Station today!

WDS/wisdomshow



A collage of nine images illustrating a factory environment. The images include: a worker in a white shirt and blue jeans; a person in a white shirt and blue jeans; a control panel with multiple screens; a person standing next to a large industrial machine; a person standing next to a table with a computer monitor; a row of blue chairs; a person in a white shirt and blue jeans; a stack of blue chairs; and a person in a white shirt and blue jeans.



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