



Shenzhen Wisdomshow Technology Co.,Ltd
bgaxraymachine.com

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

Our Product Introduction

for more products please visit us on bgaxraymachine.com

Basic Information

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

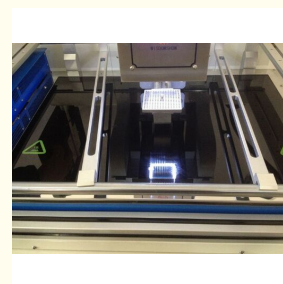
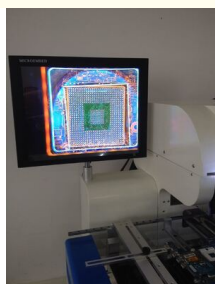


Product Specification

- 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: $\pm 0.01\text{mm}$
- PCB Thickness: 0.5-8mm
- Max BGA Weight: 1000G



More Images



Product Description

Full Automatic WDS-800A Soldering and Desoldering Rework Station

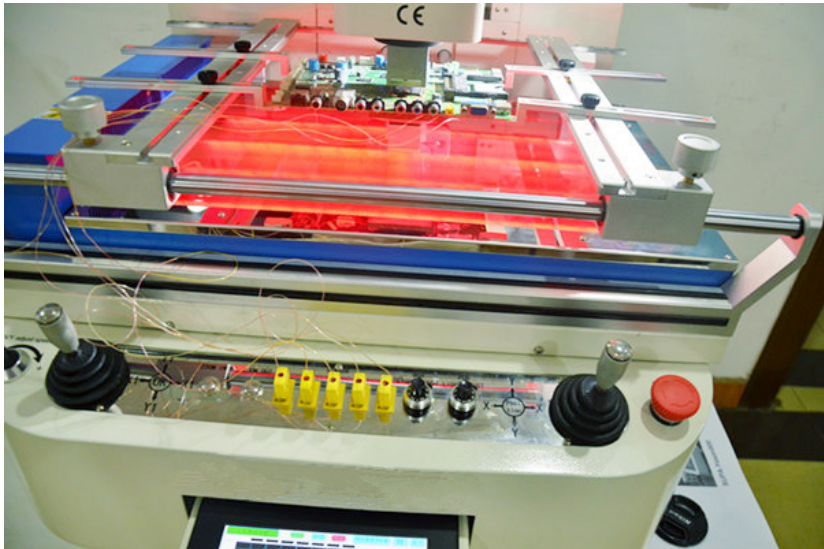
Professional BGA rework station for electronic PCB mainboard repair, designed for iPhone, PlayStation, Xbox console, and other electronic device maintenance.



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

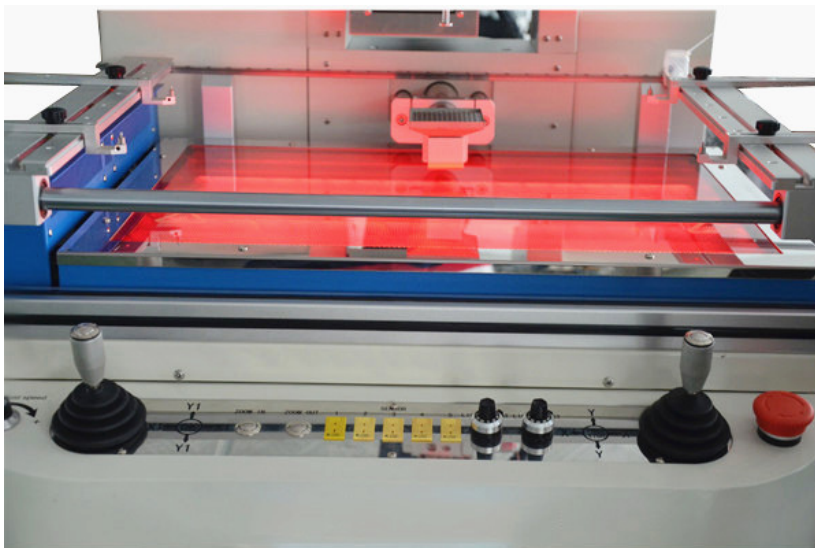
- Desoldering - Separate BGA chip from motherboard
- Clean Pad - Prepare the contact surface
- Reballing or replace with new BGA chip
- Alignment/Positioning - Using silk frame or optical camera
- Soldering - Install new BGA chip

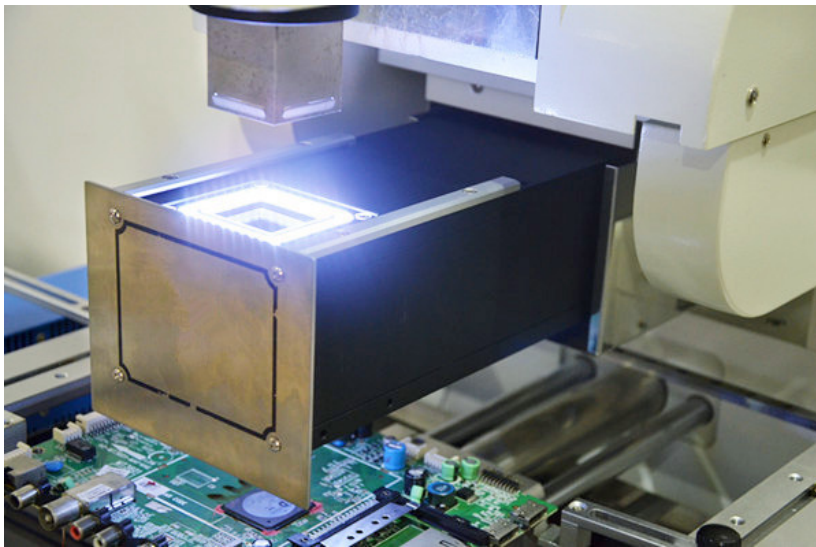
Technical Specifications

Parameter	Specification
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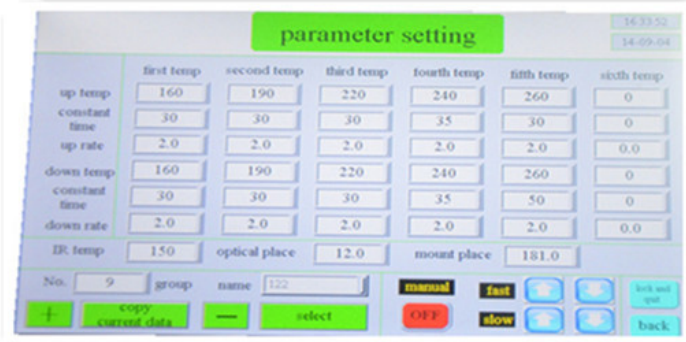
Power Supply	AC 220V±10 50/60Hz
Total Power	7600W
Heater Power	Upper temp.zone 1200W, Second temp.zone 1200W, IR temp.zone 5000W
Electrical Material	High sensitive touch screen + temperature control module + PLC + step driver
Temperature Control	High precision K shape sensor (Closed Loop), Precision ±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

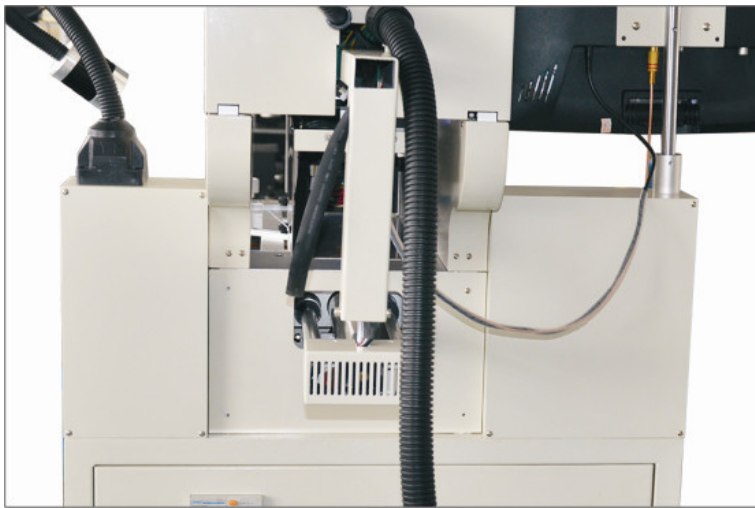
Product Images





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 Jack,~~
Dear Jack, 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

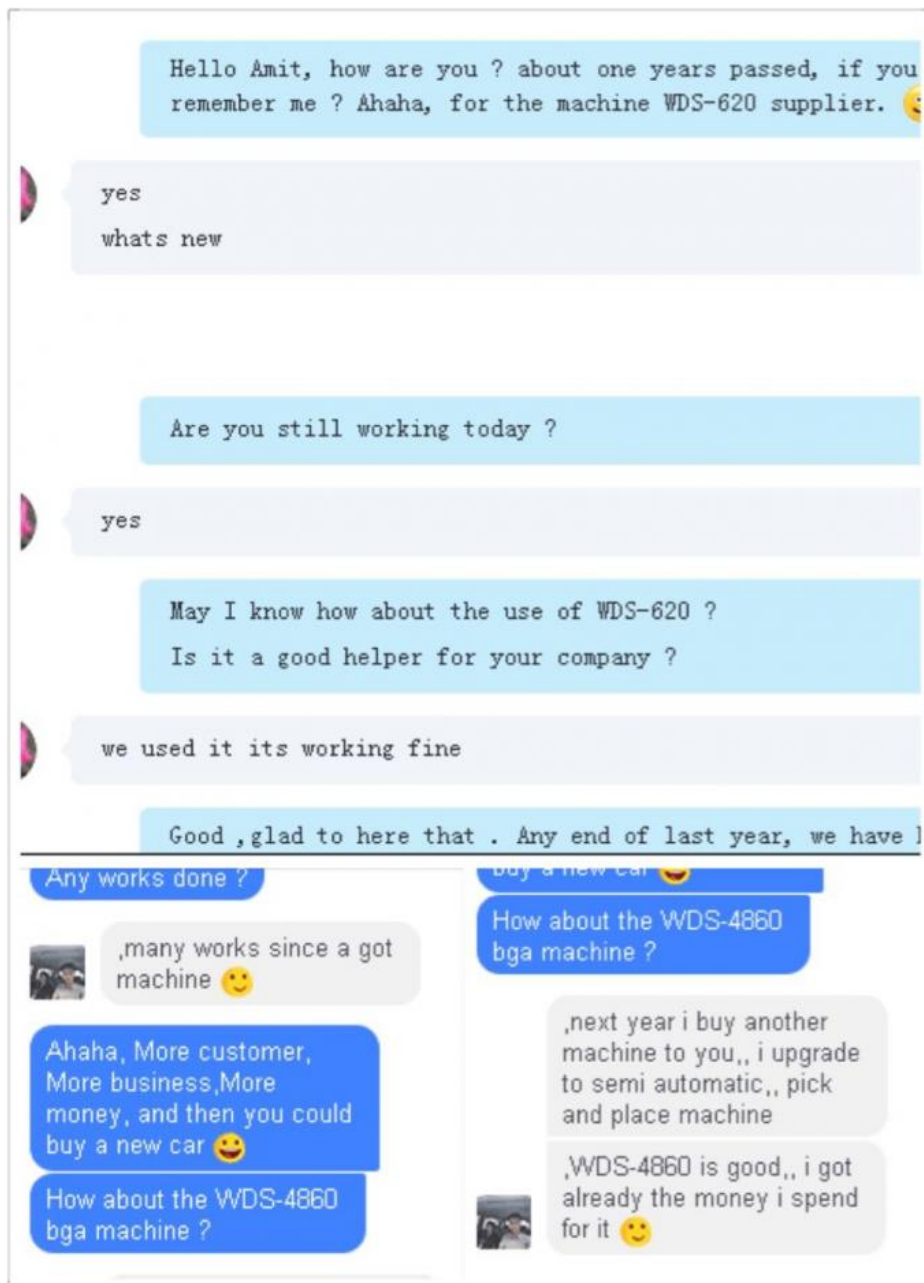


How about the WDS-700
bga machine ?



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



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



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