



Automatic Soldering Robot BGA Rework Station with High Precision Optical Alignment for 1200*700mm PCB Size

Our Product Introduction

for more products please visit us on bgaxrayoutline.com

Basic Information

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

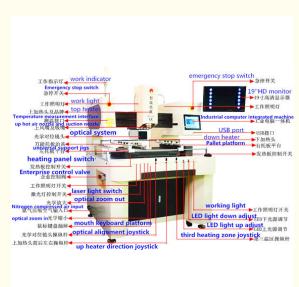


Product Specification

- Weight: 750kg
- Voltage: 110V&220V
- Power Supply: AC 220V±10 50/60Hz
- Total Power: 10400W
- Heater Power: Upper Temp.zone 1200W, Second Temp.zone 1200W, IR Temp.zone 8000W
- PCB Size: Max1200×700mm Min 10×10mm
- BGA Chip Size: Max120×120mm Min 0.6×0.6mm
- PCB Thickness: 0.3-8mm
- Mounting BGA Weight: 300G
- Mounting Precision: ±0.01mm
- Overall Dimension: L1350×W1300×H1920mm
- Thermocouple Ports: 13 Pcs
- Temperature Precision: ±1
- Alignment System: Optical Lens+HD Industrial Camera



More Images



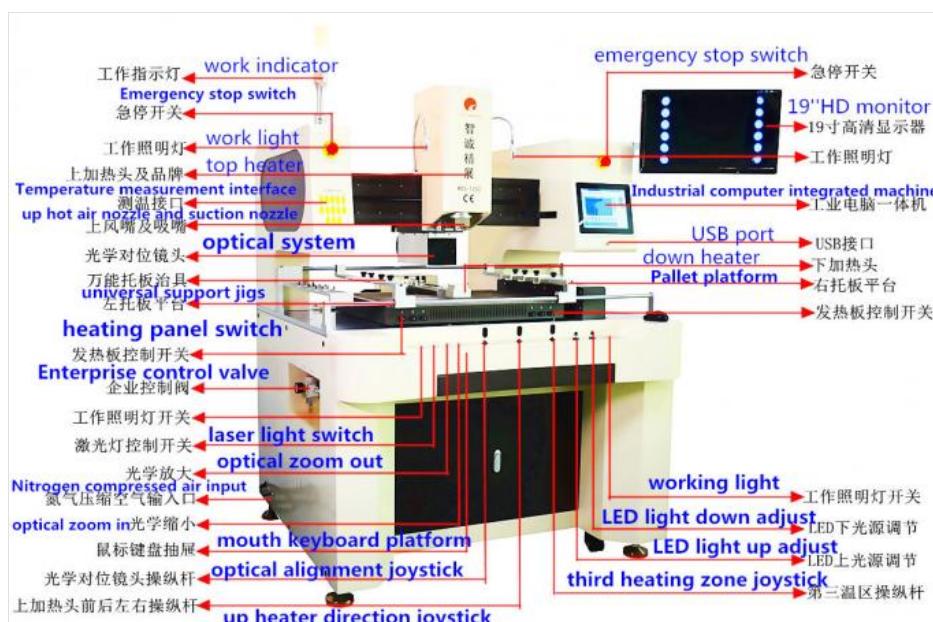
Product Description

WDS-1250 Automatic BGA Soldering Robot

Professional BGA rework station designed for iPhone 6/7/8s motherboards, PS4, Xbox consoles, and various electronic devices requiring precise BGA chip replacement and repair.



Our BGA Rework Station is widely used to replace and repair BGA chips in laptops, mobile phones, Xbox 360, PS3, and other electronic devices. Ideal for repair shops and factories providing after-sales service and rework operations.



Key Features

Independent ten-axis interlock system with ten electric motor drives controlling all movements
Computer-controlled up/down temperature zone, PCB movement, and optical alignment system X/Y movement
Stores over 100 temperature profiles for large quantity motherboard rework
2-in-1 heat and mount head design with auto rotate, mount, soldering, and auto remove functions
Independent three temperature zones (upper, lower, and infrared preheater)
Maximum clamping plate size up to 1200×700mm with no rework dead ends
Built-in vacuum pump with Φ -axis arbitrary rotation and high-precision stepper motor control
Color high-definition optical system with 22x optical zoom for BGA sizes up to 120×120mm
IPC+PLC control with touch screen operation and real-time temperature curve display
13 temperature sensors for comprehensive PCB monitoring and analysis
Nitrogen inlet for protected soldering and manual flow cool down system



BGA Repair Process

How to Separate and Replace BGA Chips

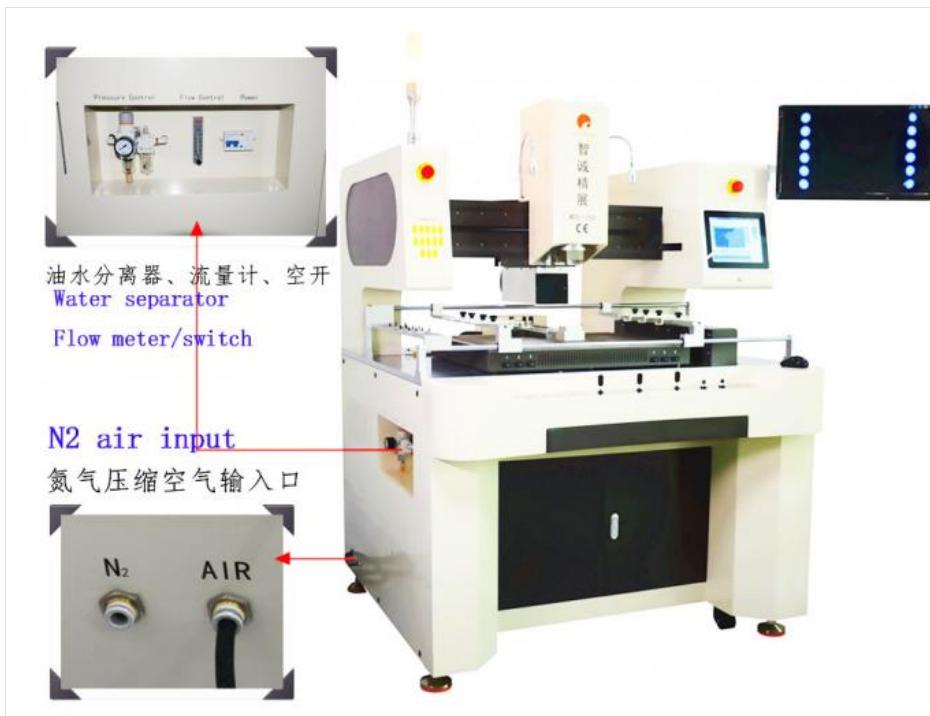
- Desoldering - Separate BGA chip from motherboard
- Clean Pad - Prepare the surface for new chip
- Reballing or replace with new BGA chip
- Alignment/Positioning - Using optical camera and silk frame
- Soldering - Install new BGA chip

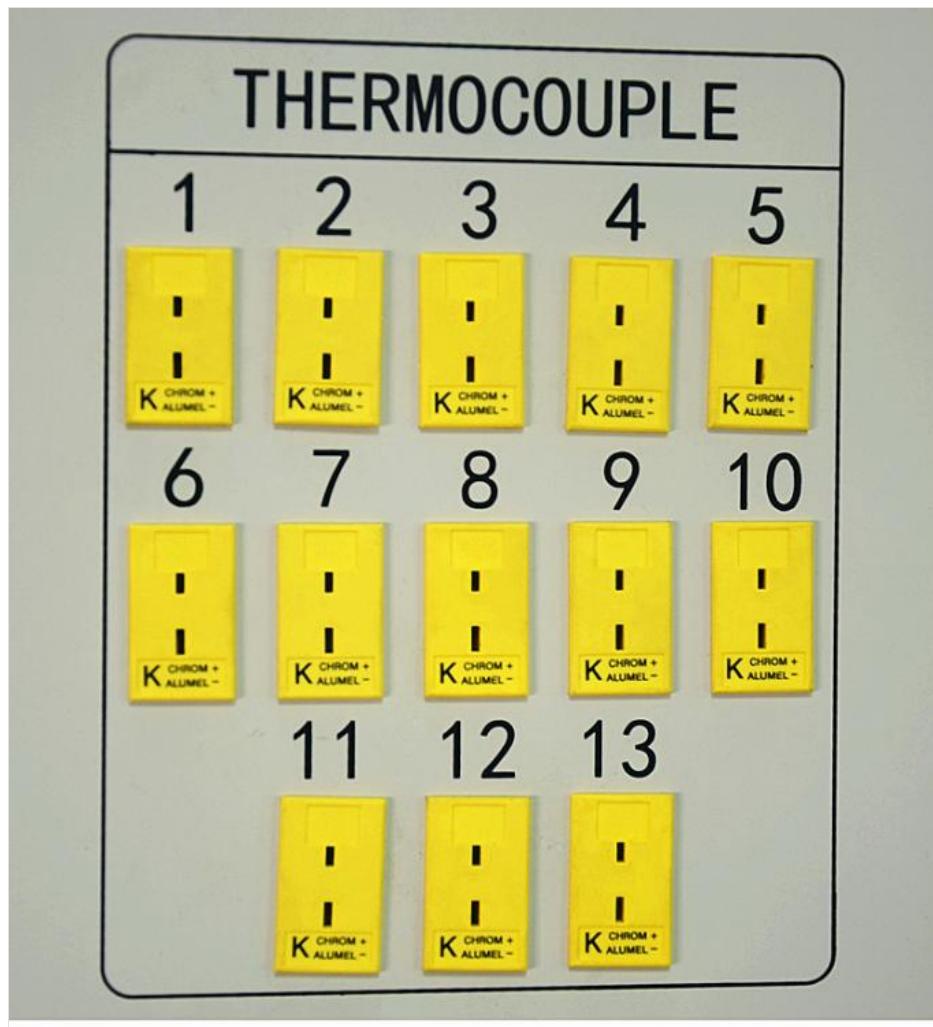
Technical Specifications

Parameter	Specification
Power Supply	AC 220V±10 50/60Hz

Total Power	10400W
Heater Power	Upper temp.zone 1200W, Second temp.zone 1200W, IR temp.zone 8000W
Electrical Material	High sensitive touch screen + temperature control module + PLC + step driver
Temperature Control	High precision K shape sensor, precision ± 1
PCB Size	Max 1200×700mm, Min 10×10mm
Applicable Chips	Max 120×120mm, Min 0.6×0.6mm
Mounting Precision	± 0.01 mm
Overall Dimension	L1350×W1300×H1920mm
Weight	Approximately 650KG

Product Images





- * 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



Shipping & Delivery

Standard export wooden cases. Delivery within 2 workdays after payment confirmation. Shipping available via TNT, DHL, FEDEX, air, or sea from Shenzhen or Hongkong ports.



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

CE Certificate and ISO certified models

100% QC inspection before shipment

Customized brand logo available

Large global market share



Customers come to factory place order



Chad



Lebanon



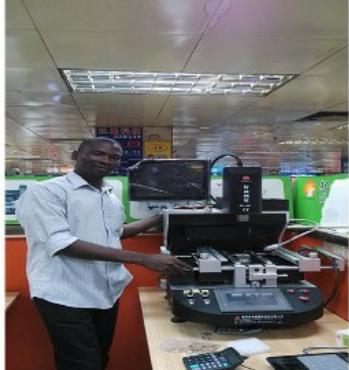
Bangladesh



India



Turkey



Nigeria



Sudan



Egypt



India



Bangladesh



Bangladesh



Asam Takina + Wisdomshow WNs

June 7 at 1:27pm · 48
This is best brand forever I buy another brand I face problem but on this fm
OK on my work



South Africa



Norway



Iraq



Saudi Arabia



Bangladesh



Jordan



France



Morocco



Egypt



Lebanon



Pakistan

Service & Support

- 24 hours technical support via email or phone
- One year warranty (other costs borne by buyer)
- Demo operation video training provided
- On-site training available at our facility
- Friendly English user manual included
- Professional after-sales service
- Special discounts for agencies

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 !

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're glad to serve you! Contact us for the best pricing and ordering information.

WDS/wisdomshow



Your satisfaction, our goal *Best service from factory*



Shenzhen Wisdomshow Technology Co.,Ltd



+86 18926538696



elysia.li@wdsbga.cn



bgaxrayoutline.com

No.6,Haosi Western Industry,Shangjing Town,Bao'an District,Shenzhen,China