



WDS-750 7600W Power BGA Rework Station with $\pm 1^{\circ}\text{C}$ Temperature Control and HD Optical Alignment for Precision Chip Replacement

Our Product Introduction

for more products please visit us on bgaxraymachine.com

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: WDS(Wisdomshow)
- Minimum Order Quantity: 1
- Price: CN¥42,076.04-50,380.52



Product Specification

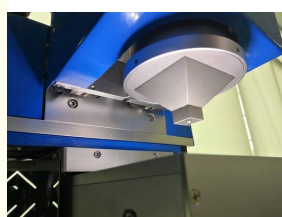
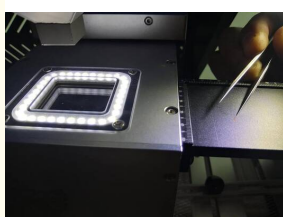
- Max Input Power: 7600W
- Voltage: 220/110V
- Current: Ac220v $\pm 10\%$, 50/60hz
- Dimensions: 750*835*880mm
- Weight: 80kg
- PCB Size: Max500*450mm Min10*10mm
- BGA Chip Size: 0.8mm-8cm
- Heater Power: Upper Temp.one 1600w,second Temp.zone1600w,IR Temp.zone 4200w
- Temperature Control: $\pm 1^{\circ}\text{C}$ Closed-loop
- Alignment Precision: ± 0.01 Mm
- Heating Segments: 6
- Material: Metal
- Electrical Material: High Sensitive Touch Screen+temperature Control Module+PLC+step Driver

Welding Mode:

MIG



More Images

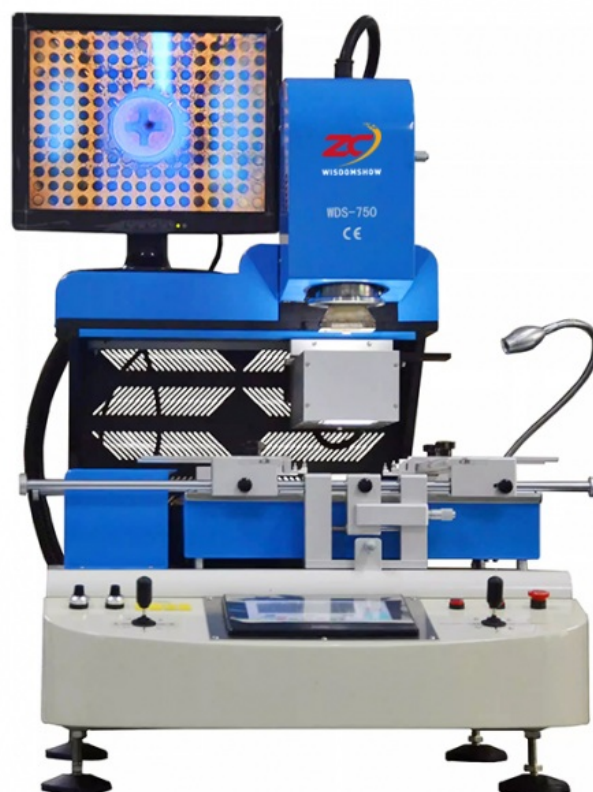


Product Description

WDS-750 High Automation and Precision Digital BGA 3-in-1 Hot Air Soldering Rework Station

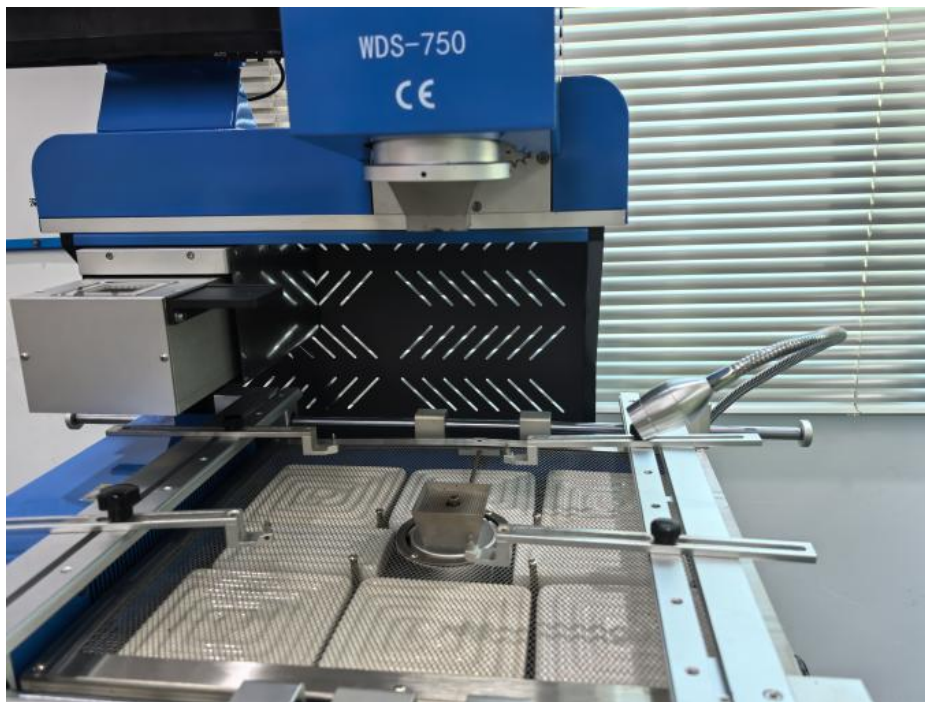
Our WDS-750 BGA Rework Station is engineered for precision replacement and repair of BGA chips in laptops, mobile phones, Xbox 360, PS3, and various electronic devices. This advanced system provides an ideal solution for repair shops and electronics factories requiring reliable after-sales service and high-precision rework capabilities.

Featuring optical alignment, triple-zone heating, and $\pm 1^{\circ}\text{C}$ closed-loop temperature control, the WDS-750 delivers consistent performance for both lead-free and traditional soldering applications.



Operation System

- Manual and semi-automatic modes for flexible operation
- Solder, desolder, pick, place, and replace BGA chips with ± 0.01 mm precision
- User-friendly touchscreen interface with optical alignment for fast, accurate rework



Strict Temperature Control System

- 6 heating segments for preheating, soaking, ramping, soldering, reflow, and cooling
- Storage for multiple customized temperature curves
- High-accuracy K-type thermocouple closed-loop control for $\pm 1^{\circ}\text{C}$ temperature stability
- Four external temperature measurement interfaces for precise detection, analysis, and calibration of real-time soldering temperature curves



Safety System

- CE certified, meeting international safety and quality standards
- Automatic power-off protection device for abnormal accidents
- Dual over-temperature protection to prevent overheating and ensure stable operation

BGA Chip Replacement Process

How to separate BGA chip from motherboard?

How to replace a new BGA chip?

Repair steps:

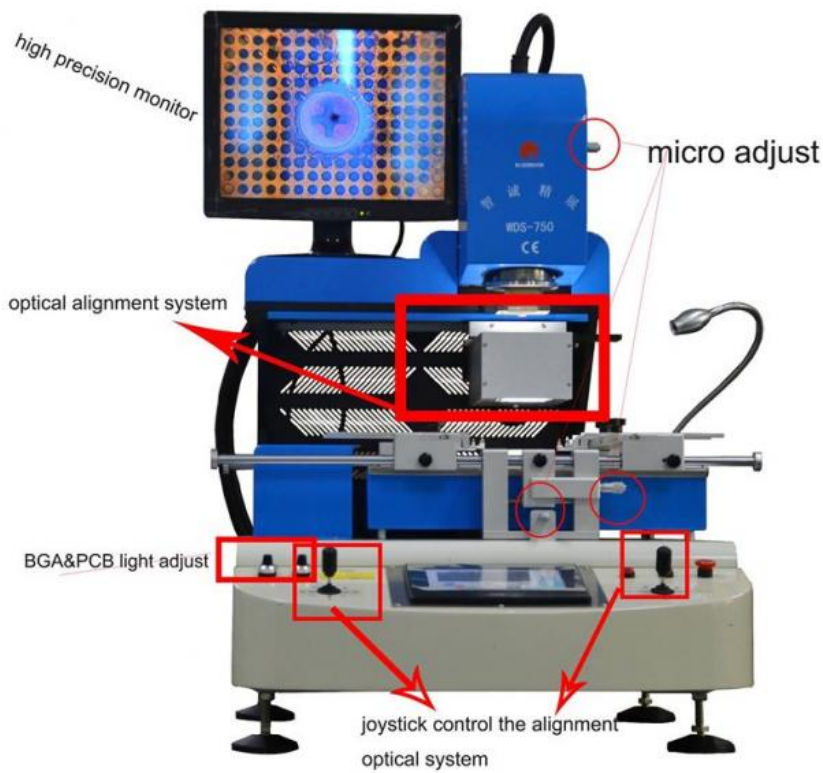
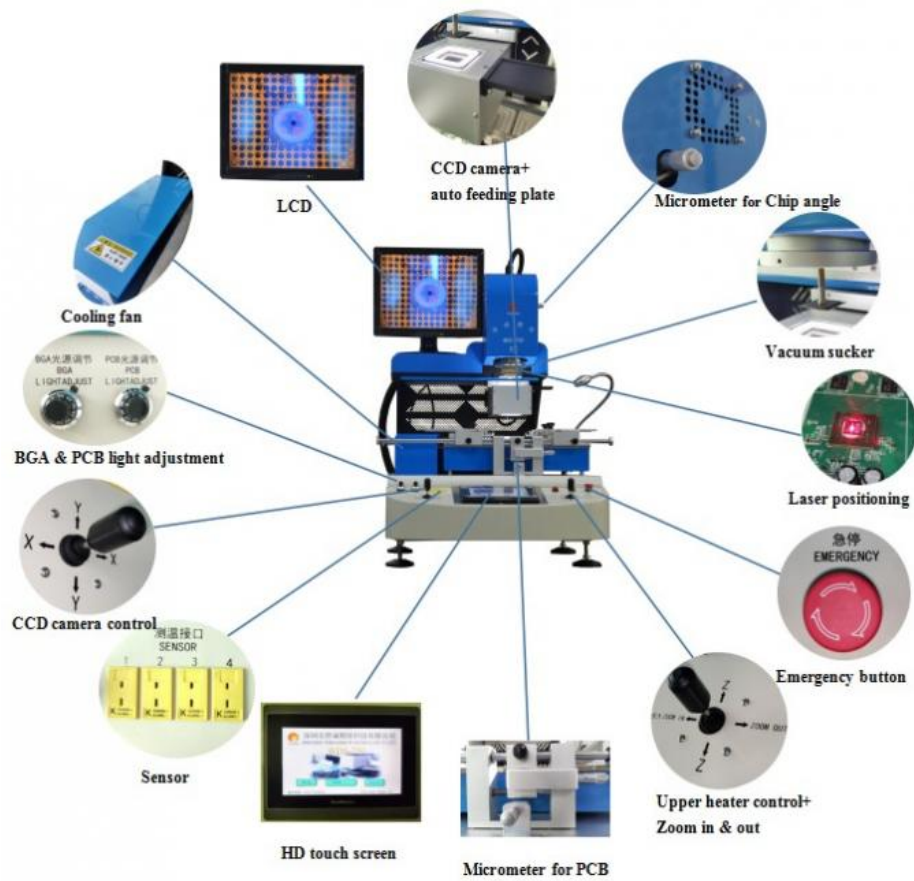
1. **Desoldering** - Separate the BGA chip from the motherboard using controlled hot air and infrared heating
2. **Pad Cleaning** - Remove solder residue and clean the PCB pads for a smooth surface
3. **Reballing or Replacement** - Reball the original chip or replace it with a new BGA chip
4. **Alignment/Positioning** - Achieve precise positioning using operator experience, silk screen marks, or the WDS-750's HD optical alignment system
5. **Soldering** - Mount and solder the new BGA chip with the triple-zone heating system for consistent reflow quality

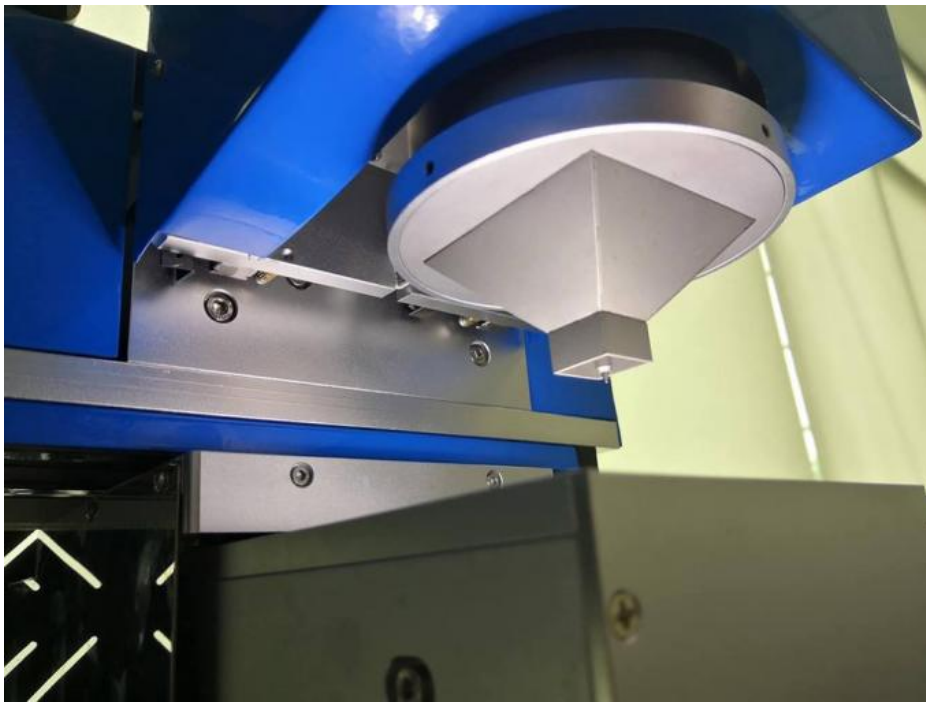
Product Parameters

The Total Power	7600W
Upper Heating Power Supply	1600W
Lower Heating Power Supply	1600W
IR Heating Power Supply	4200W(2400W controlled)
Power Supply	Single Phase AC 220V±10 50Hz
Positioning Method	High-precision K-type thermocouple (Ksensor) closed-loop control (Closed Loop), independent upper and lower temperature measurement with a temperature accuracy of ±1 degree;
Temperature Control	High-precision K-type thermocouple (Ksensor) closed-loop control (Closed Loop), independent upper and lower temperature measurement, temperature control accuracy can reach ±1 degree.
Electrical Appliance Selection	Highly sensitive touch screen + temperature control module + PLC + stepper driver
Tin point monitoring	External camera monitors the solder ball melting process during welding (optional)
Maximum PCB Size	570×480mm
Minimum PCB Size	10×10mm
Number of temperature measuring interfaces	4
Chip magnification	2-30 times
The PCB Thickness	0.5-8mm
Applicable chips	0.8*0.8mm-120*120mm
Minimum chip spacing	0.15mm
Maximum load for mounting	300G
Mounting accuracy	±0.01mm
Overall Dimensions	750×835×880mm
Optical alignment lens	Electric drive allows for forward, backward, left, and right movement, eliminating blind spots for alignment
Machine Weight	About 80kg

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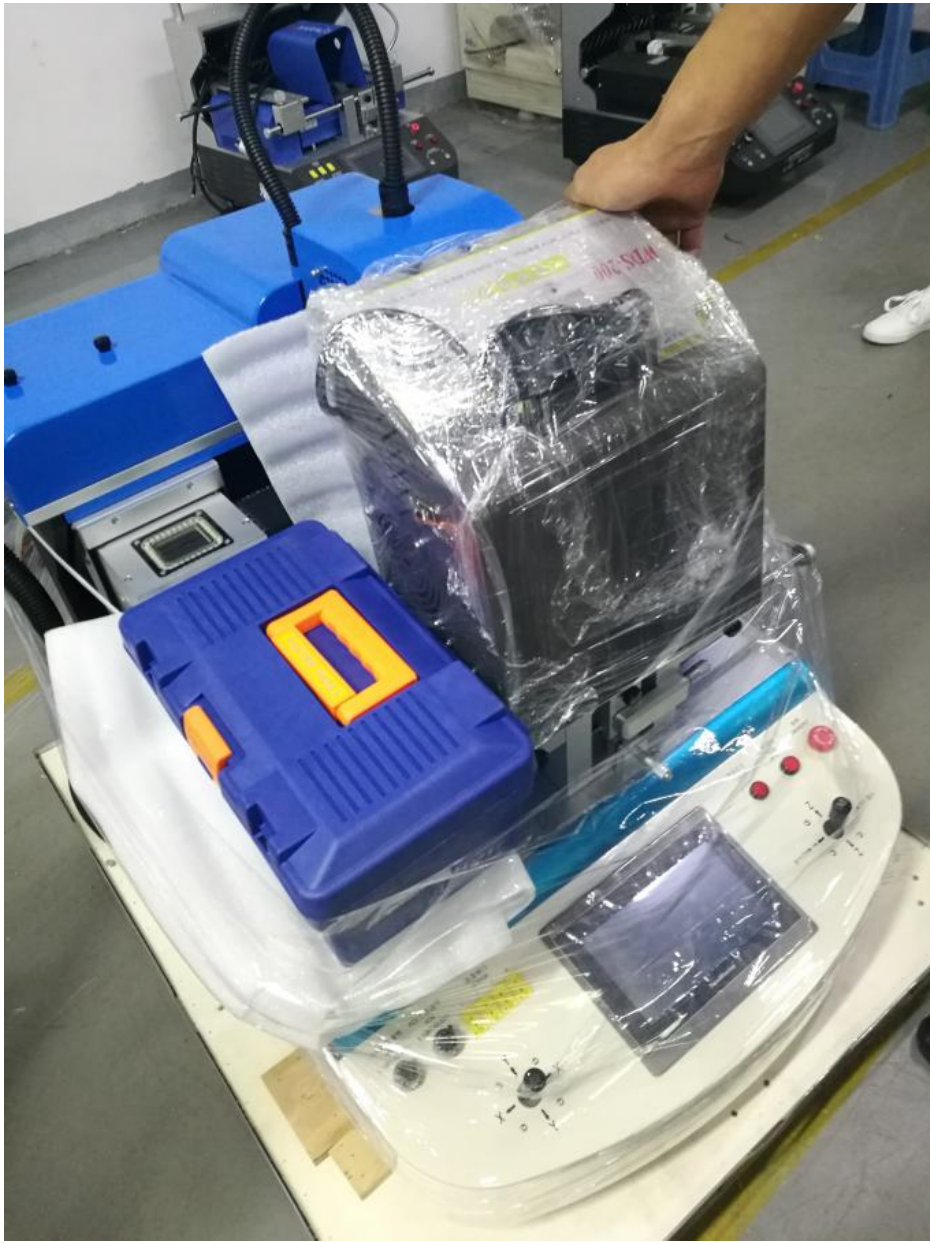
Detailed Images



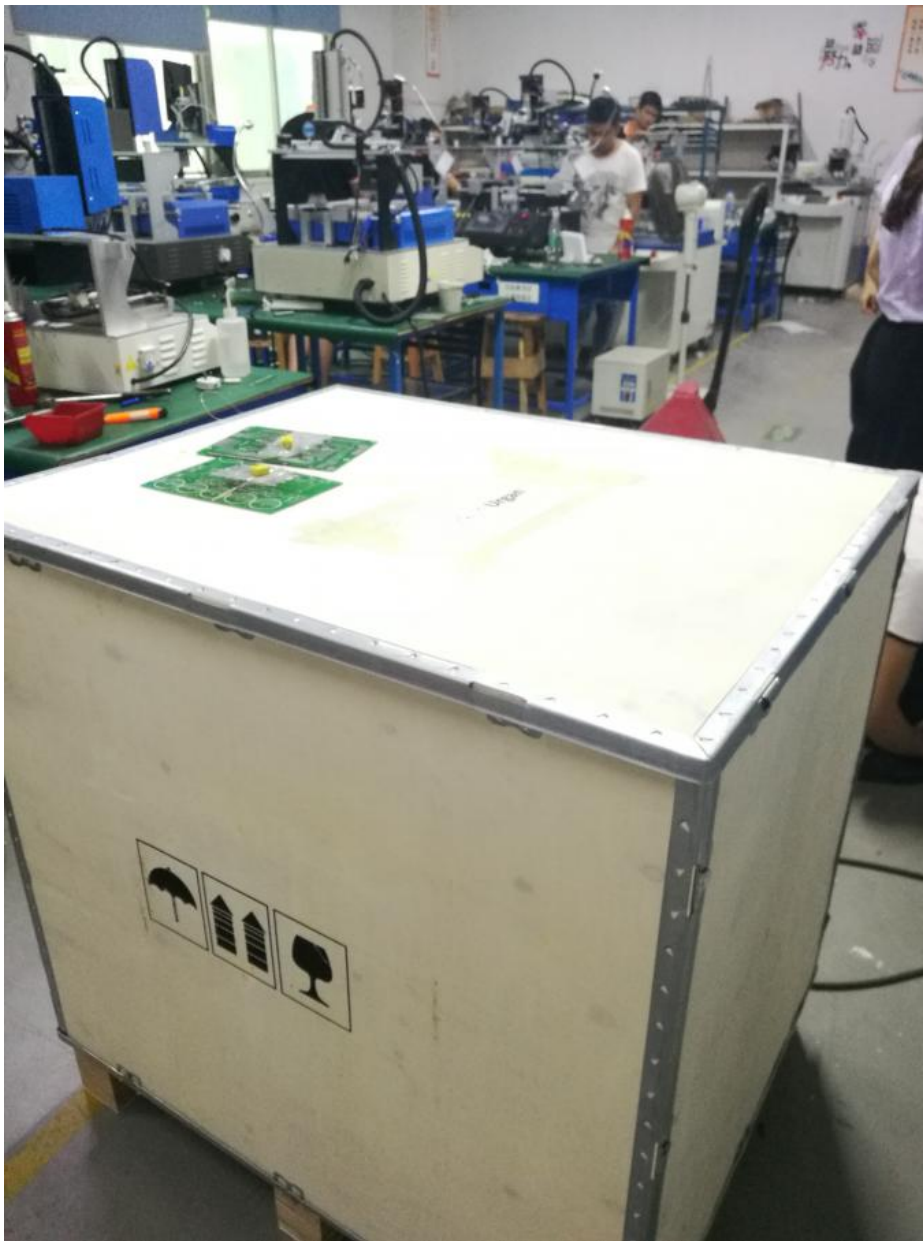


Packing & Shipping

- Standard Export Wooden Cases
- Delivery within 2 workdays after payment confirmation
- Shipping by TNT, DHL, FEDEX, or by air or by sea
- Loading port: Shenzhen or Hong Kong







Company Information



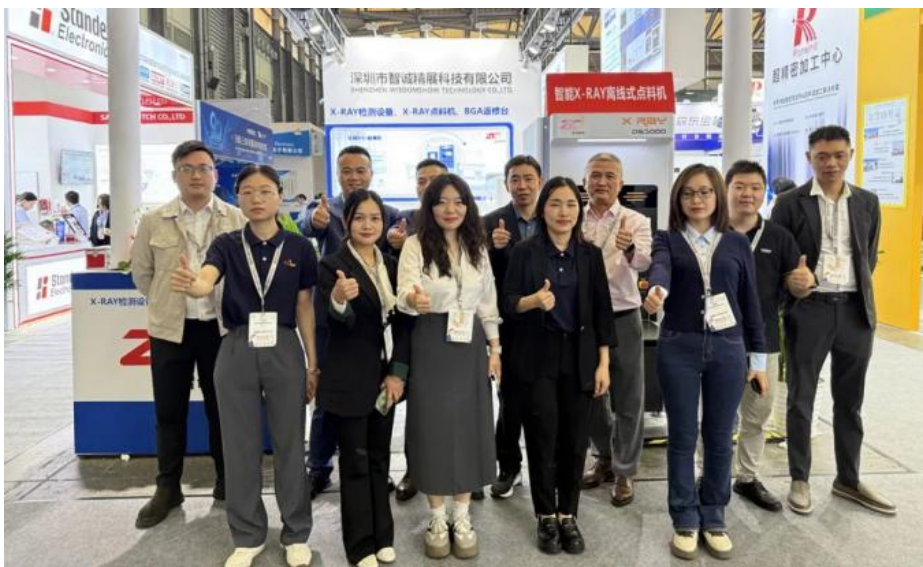


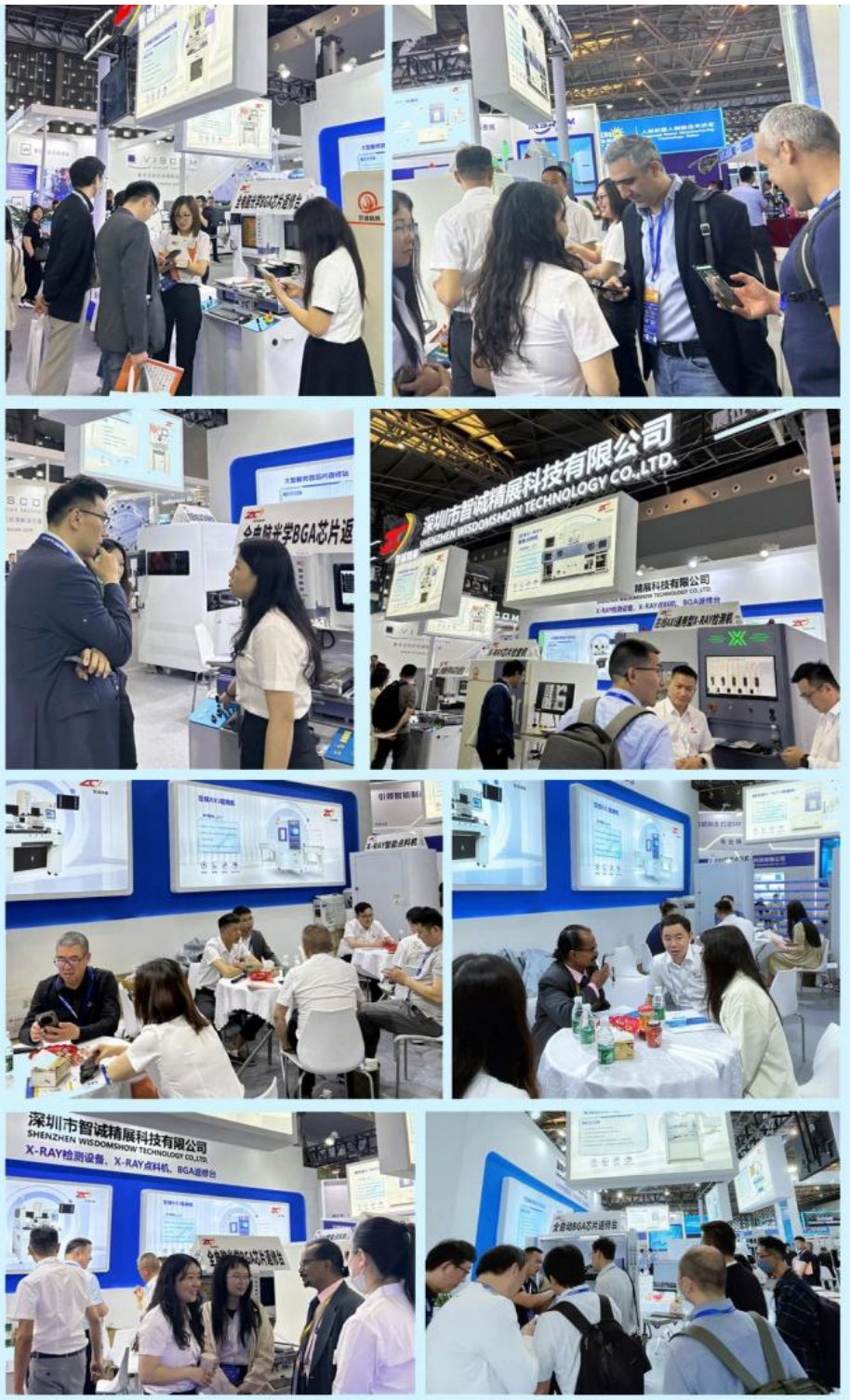


Shenzhen Wisdomshow Technology Co., Ltd. was founded in 2011 by a team of experienced engineers and sales experts. Specializing in BGA rework stations and X-RAY inspection equipment, the company has grown rapidly through continuous R&D and technological innovation. In 2015, it expanded into the X-RAY field, launching several advanced inspection systems.

Our factory, based in Shenzhen Baoan, covers approximately ten thousand square meters. With ISO9001 and CE certifications, multiple patents, and strong customization capabilities, Wisdomshow serves clients across Asia, Europe, and North America. Our solutions are widely used in server motherboard repair, LED assembly, and smartphone production.

Guided by the principles of professionalism, innovation, and integrity, the company continues to earn global trust and recognition.







Our Advantages and Service

Contact: 24 hours technical support by email or calling

Warranty: One year free (other relative costs on buyer's account)

Technology Support: Demo operation video for training; On-site demonstration available

Service: Friendly English user manual provided; Professional after-sales service

Price: Great discount for AGENCY to ensure agents profit

Certificate Of Conformity

BORY

No.: BAC220590145S

Applicant.....: Shenzhen Wisdomshow Technology Co.,Ltd.
Address.....: 3F Eastern, 2F Eastern Building 7, Haosi Western Industrial Park,
Heyi Community, Shajing Town, Bao'an District, Shenzhen, China
Manufacturer.....: Shenzhen Wisdomshow Technology Co.,Ltd.
Address.....: 3F Eastern, 2F Eastern Building 7, Haosi Western Industrial Park,
Heyi Community, Shajing Town, Bao'an District, Shenzhen, China
Trademark.....: N/A
Product.....: BGA rework station
Model(s): WDS-750, WDS-650, WDS-620, WDS-800A, WDS-1250, WDS-520,
WDS-580, WDS-680, WDS-700, WDS-900, WDS-1390
Directives.....: Machinery Directive 2006/42/EC
Standards.....: EN ISO 12100:2010
EN 60204-1:2018
Report No......: B2205TR90145S

Remark: The certification is only valid for the equipment and configuration described, in conjunction with the test data detailed above.

★ The CE mark as shown beside can be used, under the responsibility of the manufacturer, after completion of an EC Directive of Conformity and compliance with all relevant EC Directive.



Approved by/Date:



Shenzhen Bory Technology Service Co., Ltd.

Tel: +86 755 2328 6925
Fax: +86 755 2328 6935
Email: Service@bory.biz
http: www.bory.biz

501, Building 10, Xinlitang Building, Gangbei
Industrial Park, Huangtian Community,
Hangcheng Street, Baoan District,
Shenzhen, Guangdong, China.

----- DOCUMENT RECEIVED, FILED, & ACKNOWLEDGED -----

This automated notification from the CeSub Submission Process contains general information about the aforementioned submission:

Accession Number: **2432788-000**

Date Loaded: **Sep 30, 2024**

Document Date: **Sep 27, 2024**

Establishment Name: **SHENZHEN WISDOMSHOW TECHNOLOGY CO.,LTD**

Purpose: **This submission is a(n) Annual Report. These Cabinet X-Ray Systems, Non-Medical cover the period from July 01, 2023 to June 30, 2024.**

Submitter: **Wallace Xu**

Email: **wallace.xu@fdace.cn**

Reporting Official: **Ziwen Li**

Email: **dwd@wdsbga.cn**

If you meet all other applicable FDA requirements, you may market the product(s) reported. Please be aware that additional electronic product radiation control or medical device regulations may apply to your product, such as:

21 CFR 1002.11, requiring report supplements under certain circumstances following the same reporting forms as used for product reports on your products

21 CFR 1002.13, requiring annual reports to be submitted each year by September 1 using the appropriate reporting form for annual reports

21 CFR 1010 - 1050, requiring certification to FDA radiation safety performance standards

21 CFR 807, requiring manufacturer registration and device listing, and

21 CFR 807, 812 and 814, requiring medical device clearance or approval

For further information see:

Radiological Health web site - <http://www.fda.gov/Radiation-EmittingProducts/default.htm>

FDA Electronic Submissions Gateway website -

<http://www.fda.gov/ForIndustry/ElectronicSubmissionsGateway/default.htm>

If you have any questions, please contact the Director of the Division of Radiological Health, or the branch chief of your respective product area, as listed on the CDRH Management Directory, under the Office of In Vitro Diagnostics and Radiological Health, Division of Radiological Health.

<http://www.fda.gov/AboutFDA/CentersOffices/OfficeofMedicalProductsandTobacco/CDRH/CDRHOffices/ucm127854.htm>

Please include a primary (and optional secondary) contact email address in all submissions (and/or cover letters) to facilitate electronic correspondence.

Sincerely yours,

Division of Radiological Health

Office of In Vitro Diagnostics and Radiological Health

Center for Devices and Radiological Health



**U.S. FOOD & DRUG
ADMINISTRATION**

证书号第 16583817 号



实用新型专利证书

实用新型名称: X-Ray 检测平板自动旋转机构

发 明 人: 孙尚坤

专 利 号: ZL 2021 2 0400163.4

专利申请日: 2021 年 02 月 23 日

专 利 权 人: 深圳市智诚精展科技有限公司

地 址: 518000 广东省深圳市宝安区沙井街道西环路蚝四西部工
业区 6 号 7 栋 202

授权公告日: 2022 年 05 月 24 日 授权公告号: CN 216594856 U

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局长
申长雨

申长雨



第 1 页 (共 2 页)

其他事项参见续页

证书号第 13058639 号



实用新型专利证书

实用新型名称：一种智能 X 射线的三维透视检测设备

发 明 人：陈近刚

专 利 号：ZL 2020 2 0970702.3

专利申请日：2020 年 06 月 01 日

专 利 权 人：深圳市智诚精展科技有限公司

地 址：518000 广东省深圳市宝安区沙井街道西环路蚝四西部工业
业区 6 号 7 栋 202

授权公告日：2021 年 04 月 27 日 授权公告号：CN 213068684 U

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局长
申长雨

申长雨



第 1 页 (共 2 页)

其他事项参见续页

Buyer Feedback

Our Customers' Voice:

"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**










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 ?



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

Hello dear, how are you ? about one years passed, if you remember me ? Ahaha, for the machine WDS-420 supplier.

yes

what's new

Are you still working today ?

yes

May I know how about the use of WDS-420 ?

Is it a good helper for your company ?

we used it its working fine

Good, glad to hear that. At the end of last year, we have

Many thanks from

many works since i got machine

Alaha, More customer. More business. More money. And then you could buy a new one

How about the WDS-480 bga machine ?

How about the WDS-480 bga machine ?

Next year i buy another machine to you, i upgrade to some automatic, pick and place machine

WDS-480 is good, i got already the money i spend for it

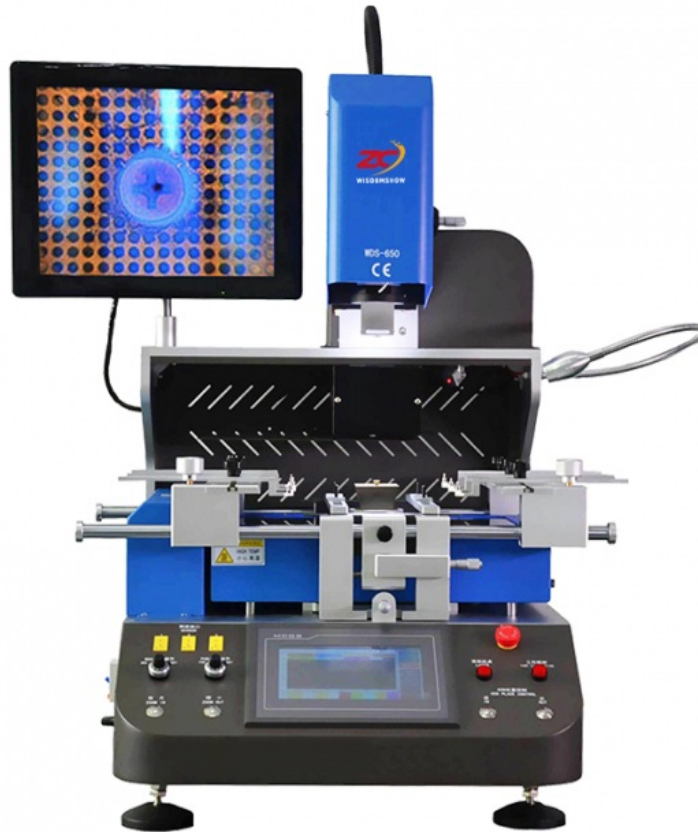




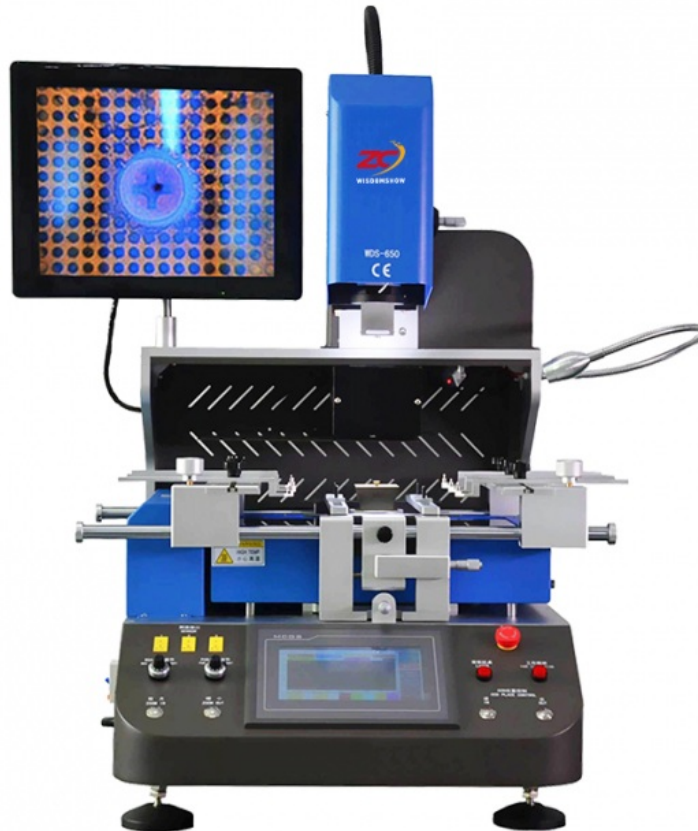
Related Products



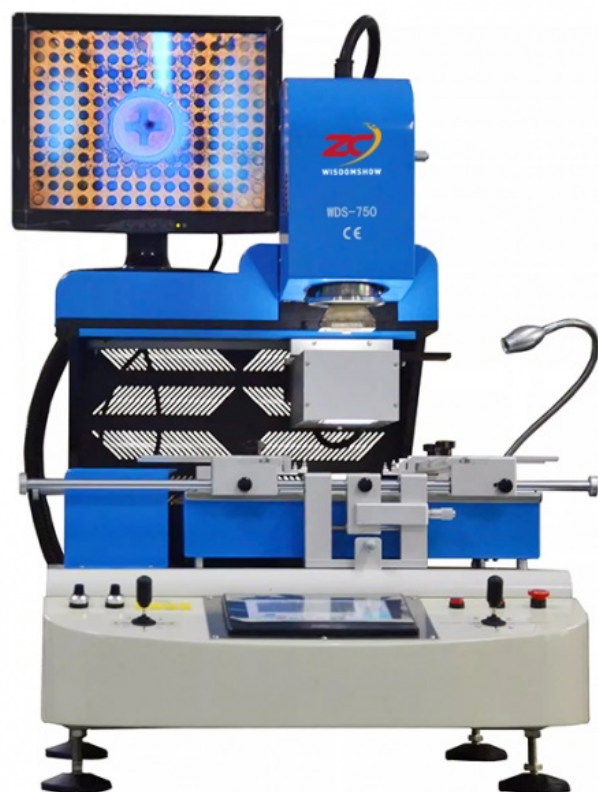
WDS-S7



WDS-620



WDS-650



WDS-750



WDS-800A



WDS-1250

Order Now

If you have any questions, please send an INQUIRY or CHAT with us.

We will be glad to service you!

Now you can order freely!

Please contact us as below guide, we are glad to give you the best price!



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