



## Automatic PCB Chip Position Identified BGA Rework Machine High Speed

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: WDS
- Certification: CE
- Model Number: WDS-750
- Minimum Order Quantity: 1 UNIT
- Packaging Details: Wooden case
- Delivery Time: 8-15 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 150 UNITS PER MONTH



#### Product Specification

- Product Name: Automatic Welding Robot
- Function: Automatic Spot Welding Machine
- Advantage: High Welding Speed
- Welding Method: Automation TIG Welding
- Application: Rework BGA
- Highlight: **Chip Position Identified BGA Rework Machine,  
Automatic BGA Rework Machine,  
Chip Position Identified BGA Repair Station**

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## Product Description

### WDS-750 Optical Alignment BGA Rework Station

#### parameter Specification:

Total power	6800W
Upper heating power	1200W
Bottom heating power	1200W
Bottom IR heating power	4200W(2400W is controlled)
Power supply	(Single Phase) AC 220V±10 50Hz
Location way	Optical camera+ V-shape card slot + laser position for fast location
Temperature control	High precision K sensor closed loop control,independent temperature control with ±1 °C precision
Appliance selection	High sensitive touch screen + temperature control mode +Panasonic PLC +step driver
Max. PCB size	550×480mm
Min. PCB size	10×10mm
Sensor	4units
Chip amplification multiple	1-200X
PCB thickness	0.5-8mm
Chip size	0.2*0.4mm-9cm
Min. chip space	0.15mm
Max. mount loading	100G
Mount precision	±0.01mm
Overall size	L670×W770×H900mm
Optical camera	Can be removed front and back,left and right,prevent the dead angle
Machine weight	90kg

#### Features:

- 1.Touch screen interface,heating time,heating temp,temp rise speed,cooling time,alarm advance,vacuum time are set up inside the touch screen,easy to use;
- 2.Panasonic PLC, independent control temperature control module,shows 3 temp curves all the time,4 independent sensors,check the temp accurately for the chip points,ensure the weld yield;
- 3.3 independent heating zones,each heating zone can set up the heating temp,heating time,temp rise rate;Six period of heating temperature, simulate the reflow heating mode,set up as Preheating, keeping, heating, welding, welding, cooling;
- 4.Auto feed chip,auto pick up chip,auto blowing chip,can identify the central position automatically when optical alignment;
- 5.Multifunction mode choice, four modes as weld,remove,mount>manual,automatic and semi-auto function,meet the various needs of the users;
- 6.Uses the high precision K-type thermocouple closed-loop control which is imported from USA,with the unique heating method,ensure the weld temp precision control within ±1 °C
- 7.Uses imported optical alignment system,500 pixel HD camera,HDMMI HD signal output,15 inch HD LCD,high accurate micrometer X/Y/Z axis adjustment,ensure the location precision within 0.01-0.02mm;
- 8.The upper heating head and placement head are designed 2 in 1,different size of heating nozzles are provided,easy to remove and install,can be customized,meet the more requirement for users;
- 9.High automation and precision to avoid artificial error fully,can make the best repairing effect for the lead free technology,double-deck BGA,QFN,QFP,capacitance resistance and other components and parts;
- 10.Equipped the extra camera to observe the solder ball melting,to ensure the temp curve and weld effect(this function is optional).



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