Fully Automatic BGA Rework Station with Automatically Tin Removal and Windows Based Software Control for 12000W PCB Production Lines

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: WDS
- Model Number: WDS1800
- Minimum Order Quantity: 1
- Price: US $59999-69999
- Packaging Details: Wooden Box



Product Specification

- Upper Heater Power: Max 1200W
- Bottom Heater Power: Max 8000W
- Total Power: 12000W
- PCB Thickness: 0.8mm - 8mm
- Max PCB Size: 640*490mm
- SMT Precision: ±0.01mm
- Highlight: **Automatically Tin Removal BGA Rework Station** , **Windows Based Software Control BGA Rework Station** , **12000W Fully Automatic BGA Rework Station**

for more products please visit us on bgaxraymachine.com

Product Description



for more products please visit us on bgaxraymachine.com

Intuitive Control System

Save, edit and recall soldering profiles



Monitor & Safety Control

Real-time monitoring and safe operation




Three-Zone Independent Heating
Uniform heating helps reduce PCB warpage
Upper Heating
Bottom Heating
WDS-1080
Airflow Guide
Heat Resistant Cover

WDS-1200 Automatic Optical BGA Rework Station

Full-Auto Visual Alignment • High Precision • Stable Production



Automatic BGA Rework System

Precision repair for BGA, QFN, CSP and complex chips



Auto Visual Alignment

Real-Time Temperature Curve

Adjustable PCB Fixture

Dual Overheat Protection


Smart Optical BGA Repair Station
8-Segment Profile • Auto Mode • CE Certified
Auto Place
Manual Mode
Profile Edit
Data Record
Safety Monitor



Key Features

Product Name: Fully Automatic BGA Rework Station

Power Supply: AC 380V ±10%, 50/60Hz

Minimum PCB Size: 10 × 10 mm

Bottom Heater Power: Maximum 8000W for efficient, uniform heating

Feeding Device: Fully automatic for seamless, continuous operation

Software Control: Windows-based interface for user-friendly operation

Industrial Computer: Built-in for robust and reliable processing

Temperature Control: Accurate temperature regulation for optimal rework quality

Dual-Layer Temperature Control: Enhanced precision across the entire rework cycle

Technical Parameters

Software Control	Windows Based
Vision Alignment	Automatic Alignment
Weight	About 580KG
Feeding Device	Fully Automatic
PCB Thickness	0.8mm – 8mm
Bottom Heater Power	Max 8000W
Upper Heater Power	Max 1200W
Voltage	220/110V
Minimum PCB Size	10 × 10mm
Power	12000W

Applications

The WDS Fully Automatic BGA Rework Station, model WDS1800, is manufactured in China and engineered for precision and efficiency in the electronics manufacturing industry. It is purpose-built for the delicate, complex tasks involved in repairing and reworking Ball Grid Array (BGA) components on printed circuit boards (PCBs). With SMT precision of ±0.01mm, the WDS1800 delivers highly accurate alignment and placement — essential for maintaining the integrity and functionality of modern electronic devices.

Designed for manufacturing environments, the WDS1800 features an automatic vision alignment system that significantly reduces human error and increases operational speed. Technicians can achieve perfect component positioning with ease, making the station suitable for both high-volume production lines and specialized repair workshops. Its bottom heater offers a maximum output of 8000W, providing uniform and efficient heating to protect sensitive components from damage during rework.

The WDS1800 accommodates PCBs up to 640 × 490mm, making it versatile for applications ranging from small consumer electronics to larger industrial circuit boards. The PCB position mode uses a V-type card slot combined with a universal fixture, ensuring secure and stable board placement throughout the rework procedure. This design enhances both safety and precision, reducing the risk of misalignment or damage.

Where advanced technology integration is paramount — such as in the manufacture of smartphones, computers, and other sophisticated electronic devices — the WDS Fully Automatic BGA Rework Station proves indispensable. It supports both production and repair phases, enabling efficient rework without compromising quality. Whether deployed in large-scale manufacturing plants or specialized service centers, the WDS1800 stands out for its reliability, precision, and user-friendly operation, making it a crucial asset for modern electronic manufacturing and repair workflows.

Customization

The WDS Fully Automatic BGA Rework Station, model WDS1800, is a high-performance soldering station designed and manufactured in China. Featuring a robust upper heater power of up to 1200W, this advanced equipment ensures precise and efficient rework across PCB thicknesses ranging from 0.8mm to 8mm.

Equipped with a fully automatic feeding device and an X/Y/Z moveable mechanism, the WDS1800 offers exceptional flexibility and accuracy during the soldering process. Its Windows-based software control system allows intuitive operation and seamless integration into modern production lines.

This automatic soldering solution is ideal for professional electronics manufacturing environments seeking reliable, consistent results. With a weight of approximately 580KG, the WDS Fully Automatic BGA Rework Station combines stability with advanced functionality to meet demanding rework applications.

Company Profile

Shenzhen Wisdomshow Technology specializes in the production, R&D, and sales of BGA rework stations, X-ray inspection equipment, and X-ray reel counter machines.

Our products are engineered to meet the highest standards, ensuring flawless PCB rework, accurate defect detection, and seamless component counting. Trusted by leading manufacturers across the globe, we combine advanced technology with proven expertise to keep your production lines ahead of the curve.

From Asia to Europe, the Americas to Africa, our innovations are shaping the future of electronics. Join countless satisfied clients who rely on us for quality, durability, and performance.

Elevate your operations with Shenzhen Wisdomshow — where experience meets excellence.



OUR ADVANTAGE

Professional & Dedicated

We operate a modern manufacturing facility backed by a professional R&D team.

With 24/7 online support, we provide attentive, high-standard services.

100+ National Patents & Software Copyrights | Products Sold to 30+ Countries Worldwide

We offer the most competitive prices to fit your budget.

EXHIBITION







Packing and Shipping



Frequently Asked Questions

Q1: What is the brand and model of this Fully Automatic BGA Rework Station?

A1: The Fully Automatic BGA Rework Station is manufactured by WDS, and the model number is WDS1800.

Q2: Where is the WDS1800 BGA Rework Station made?

A2: The WDS1800 is produced in China.

Q3: What types of components can the WDS1800 BGA Rework Station handle?

A3: The WDS1800 is designed to handle a wide range of BGA, QFN, and other surface-mounted components for rework and repair.

Q4: Is the WDS1800 easy to operate for beginners?

A4: Yes. The WDS1800 features a fully automatic system with an intuitive interface that makes it user-friendly, even for beginners.

Q5: What are the main features of the WDS1800 Fully Automatic BGA Rework Station?

A5: Key features include precise temperature control, automatic component alignment, programmable heating profiles, and a high-quality infrared heating system.

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