



WDS-880D BGA Rework Station with 7-Axis Electric Control 6400W Total Power and 1200W Upper Heater for Precision PCB Repair

Our Product Introduction

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Basic Information

- Minimum Order Quantity: 1
- Price: 14850

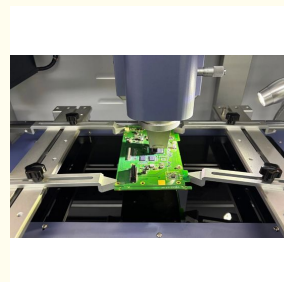
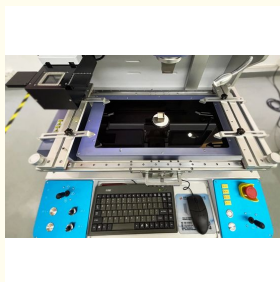


Product Specification

- Model NO.: WDS-880D
- Max Eccentricity Distance: 100mm
- Tilting Angle: 0-90°
- Voltage: 110V/220V
- Total Power: 6400W
- Upper Heater: 1200W
- Down Heater: 1200W
- IR Heater: 4000W
- Suitable PCB Size: Max 450*390mm Min10*10mm
- Applicable PCB Thickness: 0.5-8mm
- Mounting Precision: $\pm 0.01\text{mm}$
- Temperature Measuring Interface: 1 PC
- Applicable Chip: 0.8*0.8mm-120*120mm
- Overall Dimensions: 820×760 ×1400mm



More Images



Product Description

BGA Repair Workstation WDS-880D Three-Temperature Zone Welding Station

Professional equipment for computer, laptop, and TV motherboard chip repair with advanced temperature control and precision alignment.

Product Overview

The WDS-880D BGA Rework Station is designed for replacing and repairing BGA chips in laptops, mobile phones, gaming consoles (Xbox 360, PS3), and other electronic devices. Ideal for repair shops and manufacturing facilities requiring precision after-sales service and rework capabilities.

Key Features

- **Auto-Alignment Precision:** Optical system with $\pm 0.01\text{mm}$ accuracy, dual-color imaging, and auto-focus for flawless BGA placement
- **Multi-Zone Heating:** IR + hot air hybrid heating with three independent zones for uniform, rapid PCB warming
- **Smart Temperature Control:** Closed-loop K-type sensors maintain $\pm 1^\circ\text{C}$ accuracy with auto-generated SMT curves for lead-free soldering
- **Versatile PCB Handling:** Supports boards from $10\times 10\text{mm}$ to $590\times 400\text{mm}$ with motor-driven X/Y movement and 1800°C -resistant glass platform
- **Advanced Automation:** 7-axis electric control, vacuum suction (10g precision), and MES connectivity for production integration

Technical Specifications

Specification	Value
Total power	7200W
Upper heating power supply	1600W
Lower heating power supply	1200W
Lower IR POWER	4000W
Power supply	AC220V $\pm 10\%$, 50/60Hz
Temperature Control	High-precision K-type thermocouple closed-loop control ($\pm 3^\circ\text{C}$ accuracy)
Electrical Appliance Selection	Touch screen + Temperature control module + Single chip microcomputer
Maximum PCB Size	$590\times 400\text{mm}$
Minimum PCB Size	$10\times 10\text{mm}$
Overall Dimensions	$820\times 760\times 1400\text{mm}$

Temperature Control System

- 8-segment temperature programming with constant time and temperature slope settings
- Capability to store hundreds of temperature curve profiles
- High-accuracy K-type thermocouple closed-loop control system
- External sensors for precise temperature detection and real-time curve analysis

Packaging & Shipping

- Standard export wooden cases
- Delivery within 3 working days after payment confirmation

- Shipping options: TNT, DHL, FedEx, air or sea freight
- Loading ports: Shenzhen or Hong Kong

Certifications

CE certification

FDA certification

ISO 9001 certification

Company Profile

Shenzhen Wisdomshow Technology Co., Ltd., founded in 2011 by experienced engineers and sales professionals, specializes in BGA rework stations and X-RAY inspection equipment. With continuous R&D and innovation, the company expanded into X-RAY technology in 2015, launching advanced inspection systems. Our 10,000 square meter facility in Shenzhen Baoan holds ISO9001, CE, and FDA certifications, along with multiple patents. We offer strong customization capabilities and serve clients across Asia, Europe, and North America in server motherboard repair, LED assembly, and smartphone production.

Exhibition

After Sales Service

- 24-hour technical support via email or phone
- One-year free warranty (other costs borne by buyer)
- Training support including operation demonstration videos
- On-site training available at our facility
- Comprehensive English user manual provided
- Special agency discounts available



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