BGA REWORK SYSTEMS

SEAMARK ZM-R5860

Hot Air BGA Rework Station

Three Independent Heating Zones | 100 Stored Profiles | Laser Red-Dot Positioning | Compact Bench-Top Design



OVERVIEW

The **Seamark ZM-R5860** is a compact hot air BGA rework station for soldering and desoldering BGA packages from 10 × 10 mm to 40 × 40 mm on PCBs up to 410 × 370 mm. Precisely controlled convection hot air melts the solder balls, so the component can be removed or replaced without damaging the board or the part.

Three independently controlled heating zones (top and bottom hot air, infrared preheating), a height-adjustable bottom zone and a powerful integrated cooling fan cover the whole cycle: preheating, alignment, soldering or desoldering and controlled cooling.

KEY FEATURES

Three independent heating zones
convection hot air top and bottom heaters, height-adjustable bottom zone and 2.7 kW infrared preheater

Temperature profiles
HD touchscreen with real-time display and editing; 8 segments per profile, 100 stored profiles, self-tuning function

Closed-loop control
high-precision K-type thermocouple, closed-loop control with ±3 °C accuracy

Laser red-dot positioning
laser indicator for fast PCB and component positioning

Vacuum pick-up pen
external vacuum pen for easy BGA handling

Controlled cooling
high-power integrated cooling fan to prevent thermal stress and warping

TECHNICAL SPECIFICATIONS

Power Supply	AC 220 V ±10%, 50/60 Hz
Power	5.0 kW max. (top heater 0.8 kW, bottom heater 1.2 kW, IR preheater 2.7 kW, other 0.3 kW)
PCB Size	Max. 410 × 370 mm, min. 10 × 10 mm
BGA Chip Size	Max. 40 × 40 mm, min. 10 × 10 mm
IR Heater Size	375 × 285 mm
Temperature Sensor	1 pc
Operation	7" HD touchscreen
Control System	Autonomous heating control system V1
Alignment	Laser red-dot positioning
Vacuum Adsorption	Manual (external vacuum pen)
Temperature Control	K-type thermocouple, closed loop, accuracy ±3 °C
Positioning	V-groove with universal fixture
Dimensions (L×W×H)	635 × 620 × 655 mm
Weight	43.5 kg

Configuration, demo and quotation

InterElectronic is the Seamark partner for Hungary and Central Europe: application advice, sample tests, installation, training and service.

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Specifications according to Seamark. Subject to change without notice.