PDR | REWORK

IR-E1 BGA REWORK STATION

Focused Infrared Precision, Zero Compromise.

OVERVIEW

The IR-E1 is a compact, precision-focused BGA rework system designed for reliable, cost-effective rework of small to medium PCB assemblies. Built around controlled infrared heating and manual placement, it delivers consistent results for everyday rework applications without unnecessary complexity.

KEY ADVANTAGES

FOCUSED INFRARED HEATING

- Visible, targeted focused IR heating directly to the component
- No damage to surrounding components
- Precise and adjustable energy for safe rework

PCB PREHEATER

- Protects components and PCBs from thermal shock
- Fast, even zonal PCB heating
- Reduces thermal gradients, warping, and board stress

THERMOACTIVE SOFTWARE

- Simple, intuitive interface for process control
- Automated temperature profiling and monitoring
- Ensures consistent, repeatable rework performance

SENSORS

- Non-contact infrared sensor for component temperature measurement
- Wire TC for accurate PCB temperature monitoring
- Enables independent control of component and PCB temperatures

HANDHELD VACUUM TOOL

- Manual component placement and removal
- Smooth, controlled handling of components
- Provides operator flexibility and precision

TECHNICAL SPECIFICATIONS

Max PCB Size: 12 x 18"/300 x 450mm	**PCB Preheater Heating Area Size:** 14.1 x 9.4"/360 x 240mm
Max Component Size: 2.1 x 2.1"/55 x 55mm	**Component Temperature Sensing:** Non-Contact IR Sensor
Min Component Size: 01005	**PCB Temperature Sensing:** K-Type Thermocouple
Component Removal: Hand-Held Vacuum Tool	**Number of TC Channels:** 4
Top Heater Power: 150W Focused Infrared up to Ø70mm Spot	
PCB Preheater Power: 2800W Medium-Wave IR (3 Zones)	