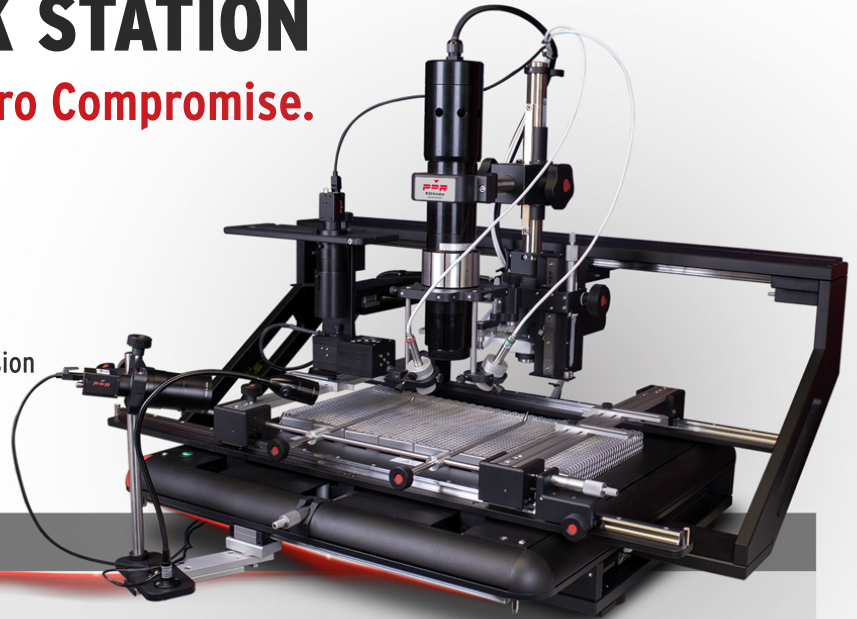


IR-E6 BGA REWORK STATION

Focused Infrared Precision, Zero Compromise.

OVERVIEW

The IR-E6 is a high-performance manual rework system engineered for large PCBs and high thermal mass applications. Combining Focused Infrared heating with high-capacity preheating, advanced sensing, and a precision gantry system, it delivers maximum thermal stability and process control for demanding rework environments.



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



GANTRY (EDGE-TO-EDGE REWORK)

- Full XY gantry system for complete board coverage
- Enables true edge-to-edge rework capability
- Smooth, controlled movement across large PCBs
- Ideal for large-format and high-value assemblies



THERMOACTIVE SOFTWARE

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



PCB PREHEATER

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



SENSORS

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



ALIGNMENT SYSTEM

- Manual optical alignment system
- Accurate component positioning
- Designed for reliable, repeatable placement

TECHNICAL SPECIFICATIONS

Max PCB Size: 18 x 24"/460 x 620mm

Max Component Size: 2.1 x 2.1"/55 x 55mm

Min Component Size: 01005

Component Removal: Manual Pick-Up System

Component Placement: Split Beam Prism Alignment/x50 Magnification

Placement Accuracy: Up to 10um

Top Heater Power: 150W Focused IR up to Ø70mm Spot on Gantry System

PCB Preheater Power: 3200W Medium-Wave IR (3 Zones)

PCB Preheater Heating Area Size: 19.6 x 9.4"/500 x 240mm

Component Temperature Sensing: Non-Contact IR Sensor

PCB Temperature Sensing: Non-Contact IR Sensor

Number of TC Channels: 4