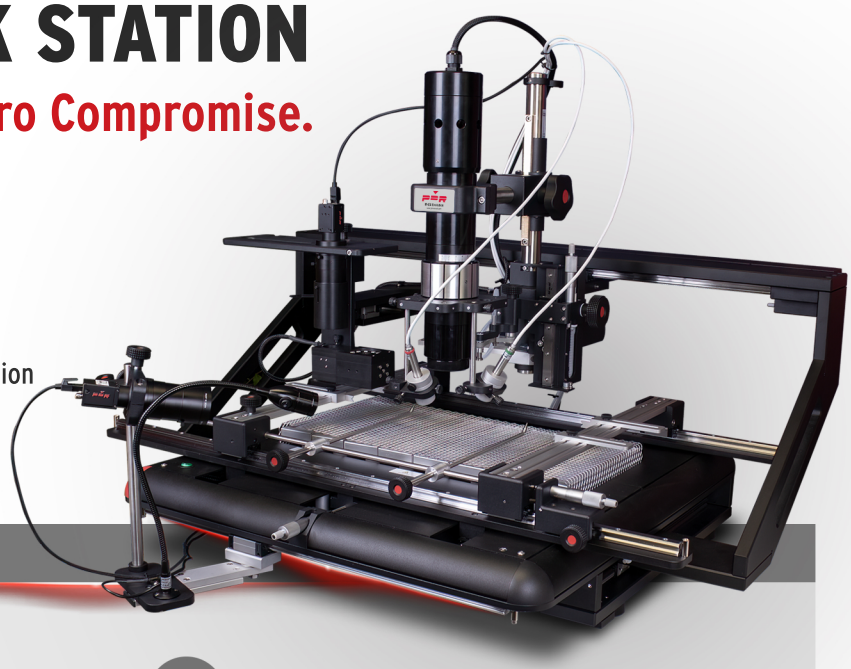
PDR | REWORK

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 (optional)
- 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	**Top Heater Power:** 150W Focused IR up to Ø70mm Spot on Gantry System
Max Component Size: 2.1 x 2.1"/55 x 55mm	**PCB Preheater Power:** 3200W Medium-Wave IR (3 Zones)
Min Component Size: 01005	**PCB Preheater Heating Area Size:** 19.6 x 9.4"/500 x 240mm
Component Removal: Manual Pick-Up System	**Component Temperature Sensing:** Non-Contact IR Sensor
Component Placement: Split Beam Prism Alignment/x50 Magnification	**PCB Temperature Sensing:** Wire TC
Placement Accuracy: Up to 10um	**Number of TC Channels:** 4