



With over 37+ of experience, PDR designs, manufactures, and distributes IR Rework Stations, Industrial X-Ray Inspections Systems, and IR Thermal Test equipment for the electronics component and PCB assembly industry.

### **PDR IR-E6**

#### **BGA/SMT REWORK STATION FOR XL PCBs**

- Gantry Mounted Advanced Focused IR component heating
- Large Quartz IR PCB preheating with 3 zones
- 24"/620mm PCB Capacity
- Split Beam prism system for simultaneous PCB/component viewing
- Precision Components Pick and Placement up to 5um
- Precision PCB handling
- Component Nest/Flux Application Facility
- Closed Loop Non-Contact Temperature Sensing
- Advanced Automatic Thermal Process Control
- Reflow Process Observation Camera (Optional)
- PCB Forced Air Cooling (Optional)

PDR is still at the forefront of SMD rework technologies working with many of the world's top names in

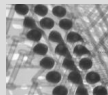
- **Mobile Phone, PDA, Tablet, Laptop, Desktop, Server repair**
- **Consumer electronics, Set-top, TV, Game Console repair**
- **Aerospace, Weapons, Avionics, Automotive, Transport electronics**
- **Control and systems repair, R&D, assembly and repair rework**

### **PDR GenX X-Ray Systems**

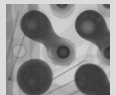
#### **Ultra High-Performance \* High Resolution Image Quality Compact X-Ray Systems**

PDR X-ray Solutions 2D and 2D+ X-ray systems have set a new industry standard for high quality X-ray images at an affordable price.

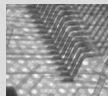
- Truly Remarkable Image Clarity with proprietary HD Camera and Software
- Compact System, PCB sizes up to 21"(533mm) X 17.5" (445mm)
- Customizable Flat Panel Detectors or Image Intensifier options to meet your application requirements
- 90kV, 8 Watt, 4um X-Ray tube, 0.18mA with Magnification up to 1100X
- Programmable 4 Axis ( X,Y, Z1/Z2) fully motorized Motion Control
- BGA/QFN/Flip Chip Software Pass/Fail – Sphere Size - Void \* 3D Gray Scale Option
- Wide Range of Analysis and Enhancement Tools Powered by PXI Technology
- Frame Averaging, Quad View Analysis, Image Filters, Reporting, More...
- Tilt/Rotate Oblique View and LED Targeting System Options
- Flexible and EASY-To-OPERATE system controls and Software
- Easily Upgrades to 130kV X-Ray as your needs change
- Quality Built Made in the U.S.A. Supported Worldwide
- Engineered for Low Maintenance and Trouble Free Operation



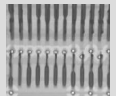
BGA Inspection



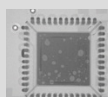
BGA Inspection - Hi Mag



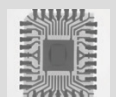
QFP Solder Joints



SMT Connectors



QFN Inspection



Counterfeit Detection



Bond Wire Inspection