

# LIXI WorkStation

Ensure production quality with real-time,  
high resolution imaging

## Real Time Closed System Xray Scanning

**The LIXI WorkStation** utilizes real-time xray to provide a cost effective solution for a variety of inspection needs. The system features a mobile cabinet for ultimate portability within your facility, while providing the operator with a high degree of safety.

Simple image processing software is available, allowing the user to pre and post process, capture, archive and retrieve images. Whether used for manufacturing process validation or for ad-hoc inspection of components and assemblies, the LIXI WorkStation is a productivity tool which will find everyday use.

This system is the ideal choice for manufacturers to introduce xray imaging technology into their QA processes. The Workstation system has been very successful at helping manufacturers secure BGA placement contracts.



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## Common WorkStation Uses

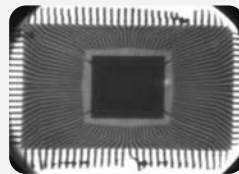
Careful design and engineering allow the LIXI WorkStation to be a cost effective solution to many higher priced systems while not compromising quality or safety, and ensuring a high resolution image every time.

### Imaging Examples

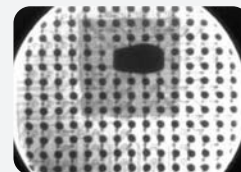
BGA, PLCC, SOIC, QFP, Flip chips, Capacitors, Resistors, Connectors, Bond wires

### Application Examples

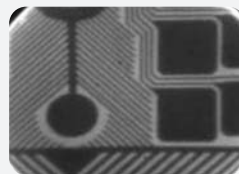
Circuit board registration, Voids in die bonds, Bridges, Misalignment, Shorts/Opens, Soldering integrity, Cracks



Damaged leads and solder bridging on QFP



Missing solder ball on standard BGA



Traces on a flex circuit

## System Components

The LIXI Workstation is an easy to use system with safety, portability and reliability built into the design.

The self-contained cabinet includes safety implementations that allow it to be used in an occupied area with no additional xray shielding required. It can be used anywhere in your place of business, around employees or customers with no additional safety measures. The 5 inch casters enable movement from one area to another.

The Workstation implements a footswitch as a standard means to energize xrays. Step on the footswitch and xrays are energized. Release your foot and xrays are shut off. When the override feature is used, xrays are energized by pressing either of the two pushbutton switches on the remote.

### Features

- Footswitch
- Remote
- Joystick for part manipulation
- Computer based image processing
- 15" LCD monitor
- Manual sample manipulation
- 10" x 12" scan area
- Fully shielded & interlocked inspection cabinet
- Stainless steel inspection table

### Specs

- 0.5 mr/hr
- Lockable kV & mA
- Control22 to 50kV x-ray source
- 50 micron focal spot
- 10W maximum power
- Analog kV & mA control with digital displays
- 25mm and 50mm field of view
- 10 to 12 lp/mm resolution at 1:1
- Dimensions: 30"D x 30"W x 35"H



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