

Glenbrook's X-ray inspection systems are used by fabricators and assemblers worldwide

Glenbrook Technologies, Inc. was founded in 1983 to meet the needs of the manufacturing industry for real-time x-ray systems to inspect multilayer printed circuit boards, components and assemblies. Our products can be found in Medical, Electronic & Security applications.

Our in-depth knowledge of x-ray imaging technology has led us to develop many innovations in real-time x-ray technology covered by numerous patents. Today, over 2000 customers in more than 40 countries realize the benefits of Glenbrook's superior x-ray imaging technology.

Glenbrook's Technology Center, opened in 1998, includes the company's world headquarters, manufacturing facilities and applications laboratory. Here we pursue our ongoing commitment to advancing x-ray inspection technology through continuing research and development. Additional offices are located in Hong Kong and China. All of our products are hand crafted in the U.S.A.

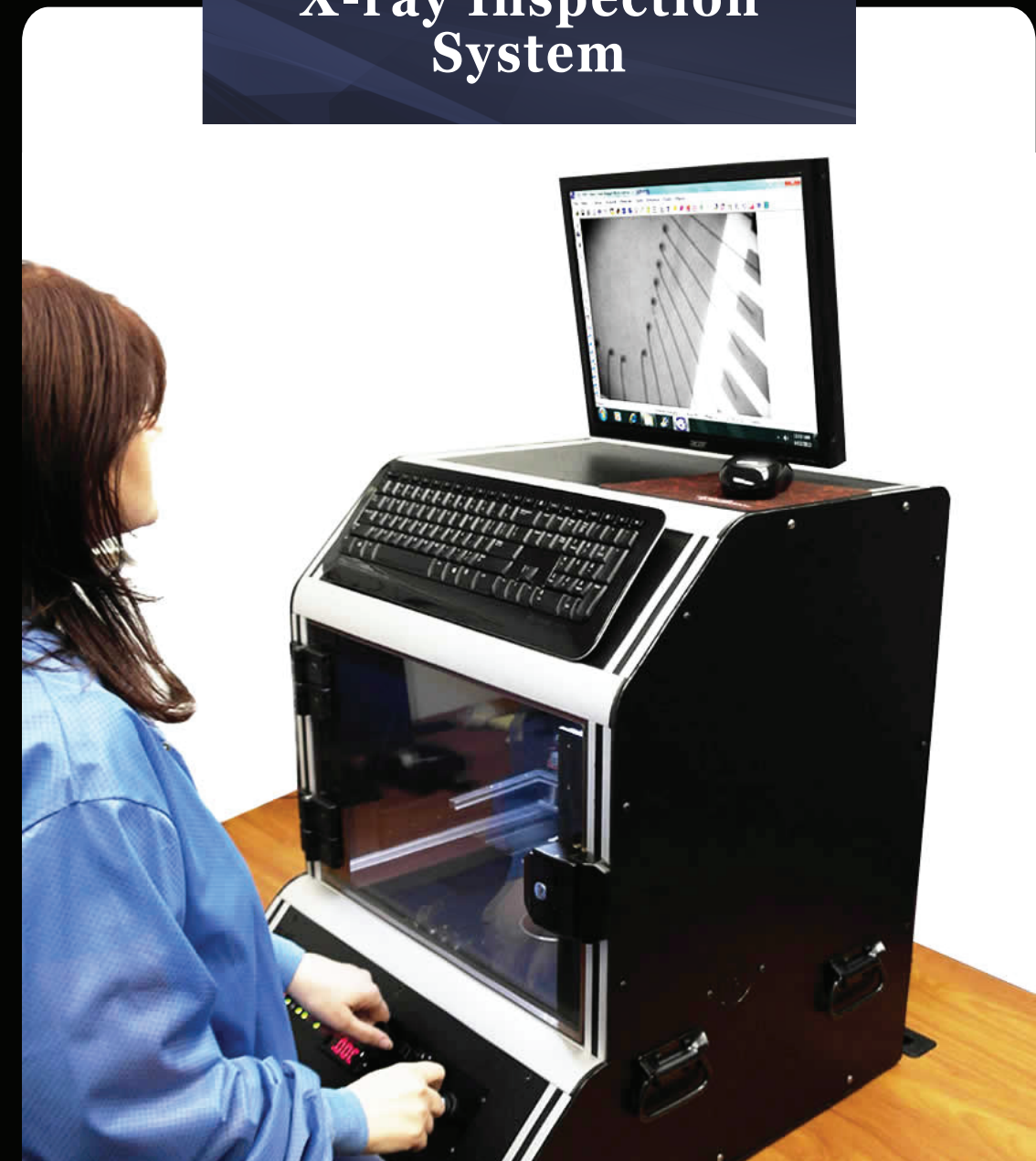


www.glenbrooktech.com

11 Emery Avenue, Randolph, NJ 07869 USA
Tel: 1-973-361-8866 • Fax: 1-973-361-9286

The JewelBox Ultra Compact

Real-Time X-ray Inspection System



Glenbrook Technologies Inc.

The JewelBox Ultra Compact

High resolution, real-time, x-ray inspection capability

All New Portable Virtually Lead Free Design

in an affordable, compact, desk-top configuration.

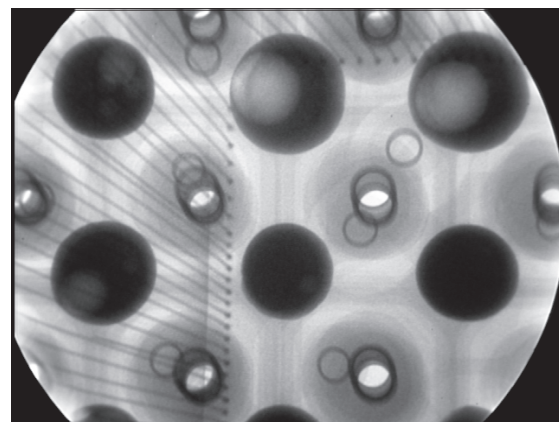


Glenbrook Technologies redefines X-ray Inspection with our smallest JewelBox micro focus x-ray system yet. Real dimensions of just 22"W x 26"L, **it's compact enough to fit on a standard desk, in an office or small lab.**

The JewelBox Ultra Compact **provides high resolution, real-time x-ray inspection** with variable magnification up to 500 times, 5 axis positioning and advanced image processing. Images can be saved in static formats such as .jpg and .tif as well as .avi video formats.

All these features are made possible by way of Glenbrook's patented x-ray detector technology. This technology permits high resolution x-ray imaging at low radiation levels with operator controlled zoom magnification. The detector sensitivity permits imaging of a broad range of materials; from metals to living tissue.

X-ray Image of BGA Voids as seen through a micro-chip with the Ultra-Compact.



Applications include: *Electronic assemblies including BGAs, Medical Devices, Drug Delivery Devices, Small Animal Imaging and General Failure Analysis.*

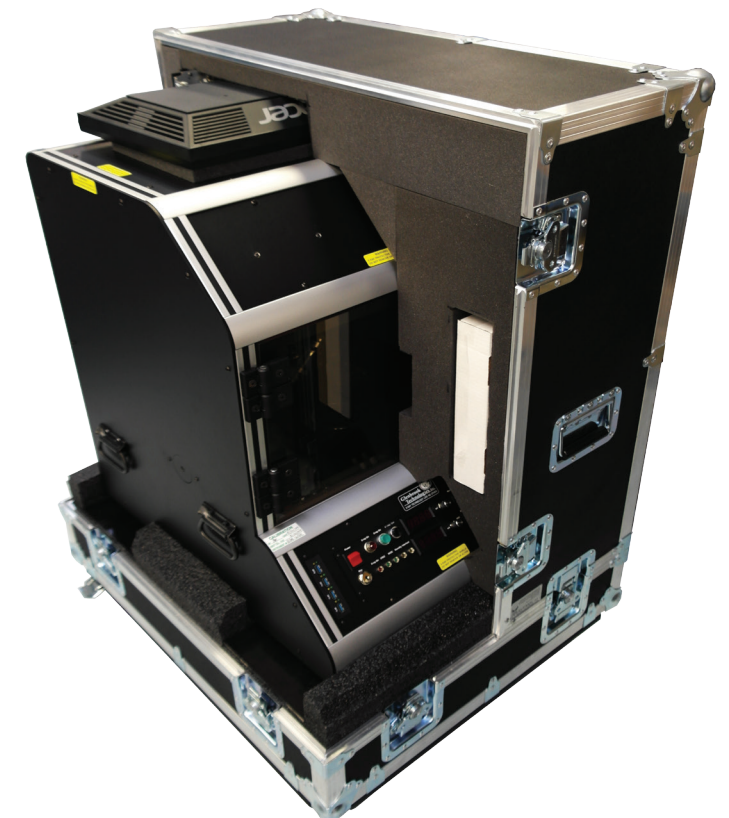


The control panel of the JewelBox incorporates a simple, user friendly design. This unit has an internal computer and flip up monitor with wireless mouse and keyboard. This all in one feature makes it great for desktop applications in which space is a concern without sacrificing performance. Wifi, bluetooth and dual display enable. Can accommodate a 12" x 8" board. The positioner has a 9" x 5.5" scan area.

Specifications:

- Operating voltage: 120V/60hz or 220V/50hz
- Anode Voltage: 0 to 80 kV (Adjustable)
- Anode Current: Up to 200 micro-amps (Adjustable)
- Field of View: 25 millimeters or 50 millimeters
- Resolution: 10 microns (depending on magnification)
- Magnification: 500x geometric & 1,200x optical (Adj.)
- Focal spot size: 10 micron
- Nominal Exterior Dimensions: 22"W x 26"D x 27¼"H
- Manipulator: five-axis joystick positioner
- X/Y Object Travel Distance: 5.5" x 9"
- Laser Locator for precise location
- Image Processor: GTI Image Processing Software (GTI-2000 or GTI-5000) with variable frame averaging, contrast adjustment, measurement capability, image save in tiff, jpg or avi video formats
- CE Approved

* Optional Road Case



11 Emery Avenue, Randolph, NJ 07869, USA
Telephone: 973-361-8866 • Fax: 973-361-9286
Toll free: 800-600-8866