

Verifier^{HR} (FSX-090)

X-Ray Inspection for Counterfeit Device Screening

The Verifier HR (FSX-090) Real Time X-Ray System provides internal inspection of BGA/SMT components for non-destructive inspection of electronic components to determine authenticity of manufacture. Image processing software provides image capture, enhancement, measurement, analysis and reporting tools to quantify and document differences in component construction.

Realtime x-ray inspection can see inside components to easily identify internal structures without the need for de-capsulation.

Features:

- Flexible board/part handling
- Portable, small 32"x 34" footprint
- Easy-to-Use, intuitive controls & software wizards
- 715X magnification provides excellent viewing of internal semiconductor connections (wire-bonds, die-attach, etc.)
- 90kV source provides sufficient power to penetrate challenging packages and dense materials

*Safe: The Verifier exceeds all safety and radiation protection requirements set forth by CDRH and FDA regulations. Systems are CE, CSA & TUV certified.

Counterfeit Device Screening:

- Internal part features can be non-destructively inspected to identify, classify, and report traceability of original electronic components from potential counterfeit parts.
- Image processing software provides image capture, enhancement, measurement, analysis and case file / data management.

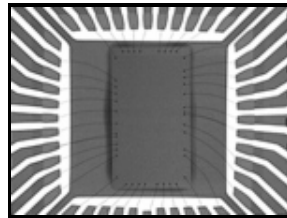
System Includes:

- X-ray system w/ 90kV, 5 micron source
- PC: Intel/ATX mini tower w/ printer & CDRW
- Flat panel display: 19" (20" optional)
- Network ready: Ethernet 10/100 base-T
- Operating System: Windows™ XP Pro
- Image Processor: Verifier VIP (standard)

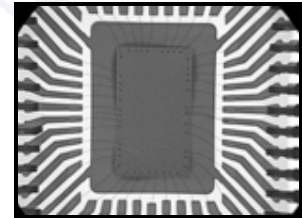


Verifier HR
(FSX-090)
X-Ray Inspection
System

AMD 85030 (A)

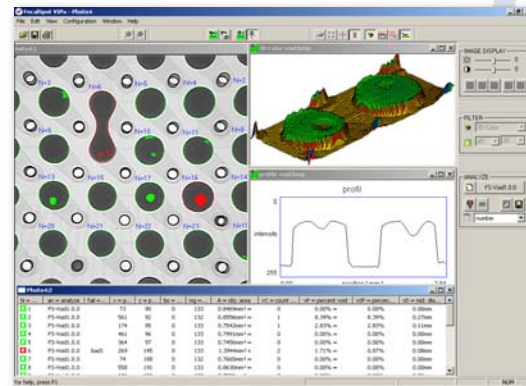


AMD 85030 (B)



The two x-ray images show differences in die size and lead frame layout. Image (A) is the OEM and Image (B) is a grey market or counterfeit part.

VIPx Optional Failure Analysis Image Processing Software



About FocalSpot

FocalSpot, Inc. is recognized worldwide as a leader in the design and manufacture of affordable high-quality x-ray inspection systems; providing Inspection and Rework solutions for Electronic Manufacturers worldwide. FocalSpot is also a regional distributor and value-added reseller for DEN-ON BGA/SMT rework solutions; Optilia BGA/SMT video microscopes; and First Article AOI Inspection Systems; providing sales, service and support in North/South America, Canada and Mexico.