FocalSpot, Inc.

"The Inspection & Rework Specialists"

Low-Cost Solder Quality Inspection Tool for Manufacturing and Rework Verification

Call (858) 536-5050 For Quote

Extended Height provides increased oblique viewing!

Verifier (FSX-080)

Portable X-Ray Inspection System

The Verifier (FSX-080) is a low-cost solder quality "QuickCheck™" verification tool for manufacturing defect detection and rework verification applications. The Verifier provides continuous real-time x-ray inspection for quality assessment of manufacturing and rework operations. Systems are CE, CSA and TUV certified and exceed all safety and radiation protection requirements set forth by CDRH and FDA regulations.

Key Features

The Verifier x-ray inspection system is an ideal entry-level x-ray inspection system and complementary "Quickcheck™" rework solder verification tool. The Verifier's primary role is to provide basic failure analysis (bridging, missing, poor reflow shape and large voids) and real-time quality inspection of rework operations. Find defects quickly and easily; an excellent value at an affordable price.

- Easy-to-use
- Extremely low maintenance
- "Best in Class" Performance
- Flexible sample handling and manipulation
- Large field-of-view (for fast inspections)
- Small 32"x 34" footprint. Easily rolled wherever needed (production area, proto lab, rework, etc.)

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

Easy-to-Use Controls

Intuitive controls and indicators for On/Off, Gain, Zoom, Focus and Interlock functions. Operators can be trained quickly and easily.

Control Panel

Manual Tilt/Rot

Motorized Tilt/Rot

Specifications

Hardware

- Footprint: 32"x 34"
- Board handling: up to 16"x 18"
- Angled viewing: up to 70° (360° w/ fixture)
- X-ray source: 80kV, 50 micron Microfocus
- Resolution: >20 lp/mm
- Magnification: 110x
- Field-of-view: up to 40mm
- PC: Intel/ATX mini tower w/ printer & CDRW
- Flat panel display: 19" (20" optional)
- Network ready: Ethernet 10/100 base-T

System/Image Processor Software

- **Operating System:** Windows™ XP Pro
- **Image Processor:** Verifier VIP (standard)

Optional Image Processors

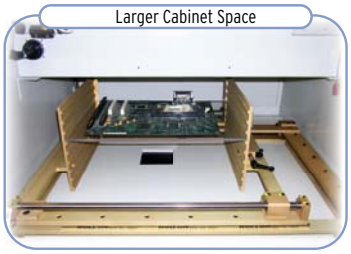
- VIP Plus Enhanced Image Processor
- VIPx Advanced Image Processor

* See FocalSpot VIP Series Datasheet for details

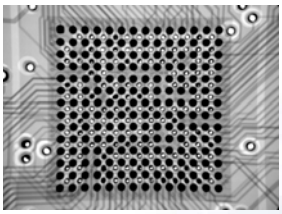
Flexible Sample Holder

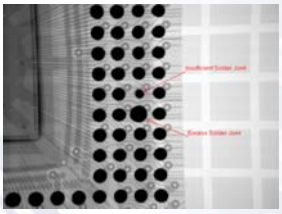
- **Sample Door:** 28" wide, for easy load/unload
- **Manual X/Y sample positioner:** 16"x 18"
- **Angled Viewing:** 0-70° (standard fixture)
- **Rotation Fixtures:** Manual and Motorized options for 360° rotation of small boards.

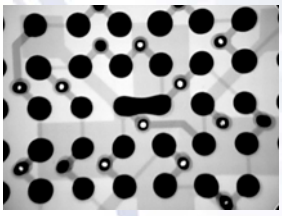
Larger Cabinet Space

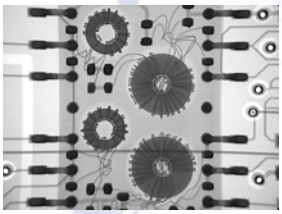


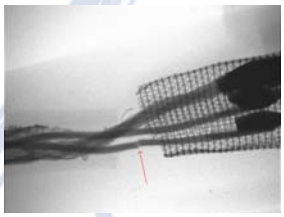
Sample Images











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.

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