



## Bench Top X-Ray Inspection System

The MiniV is an economical, multi-purpose bench top x-ray inspection tool designed for fast 2-D solder quality inspection, component inspection and rework verification. The MiniV provides continuous real-time x-ray inspection and exceed all safety requirements set forth by CDRH and FDA regulations.

### Key Features

The MiniV is capable of SMT solder joint verification, bare board inspection and semiconductor package inspection.

- Easy-to-use
- Excellent imaging quality
- Variable field-of-view
- Compact 29 x 37" (737 x 940mm) footprint
- 2-axis manipulator with tray

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

### Applications

- Solder quality and voiding inspection
- SMT/PTH devices: CSP, BGA, QFN, connectors, etc.
- Bare board mis-registration and drill offset
- Rework verification
- SMT process qualification
- Counterfeit Device Screening

### Controls

Intuitive controls and indicators allow operators to use the system efficiently with minimal training.



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858-536-5050  
for Pricing



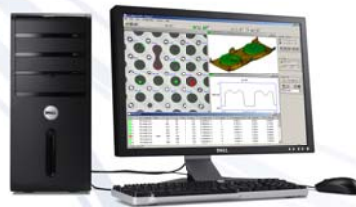
### Specifications

#### Hardware

- **Footprint:** 37(W) x 29(L) x 32(H)"  
940(W) x 737(D) x 813(H)mm
- **Board Handling:** 14 x 18" (356 x 457mm)
- **Sample Door:** 15(W) X 5.5(H)" (381W X 140H)
- **X-Ray Source:** 75kV, 33 micron
- **Magnification:** variable to 50X
- **Field-of-View:** up to 2" (50mm)

#### Computer Workstation

- **PC:** Intel/ATX mini tower w/ printer & CDRW
- **Flat Panel Display:** 19" (480mm) LCD
- **Network Ready:** Ethernet 10/100 base-T



#### Image Processor Software

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

#### Optional Image Processors

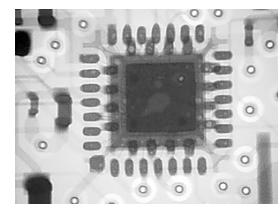
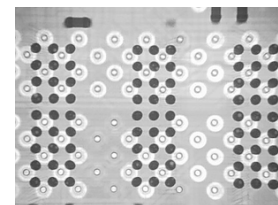
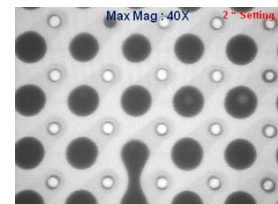
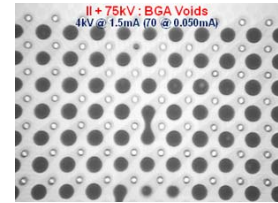
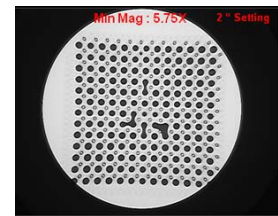
- VIP Plus Enhanced Image Processor
- VIPx Advanced Image Processor

#### Optional Accessories

- Mobile stand (steel frame w/ casters).

\*Safety Requirement: The Bench Top MiniV requires a heavy-duty bench capable of holding 600lbs.

#### 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.