

The Verifier, Verifier Plus and Verifier HR X-Ray Inspection Systems are portable, fit through a standard doorway and with exceptional performance and value. Ideal for prototyping, failure analysis, manufacturing process validation, rework verification and more...

Verifier Series X-Ray Inspection Systems

Verifier Series Feature Comparisons	Verifier FSX-080	Verifier FSX-075	Verifier FSX-090
System Features			
X-Ray Source	80kV	75kV	90kV
Magnification	>100X	>200X	>650X
Spot Size	50 micron	33 micron	5 micron
Resolution	>20 lp/mm	>30 lp/mm	>40 lp/mm
Field-of-View (max.)	>70mm	>70mm	>40mm
Inspection Capabilities			
Measurement Reporting	●	●	●
Solder Joint Quality (BGA, Leaded)	●	●	●
Bridging	●	●	●
Voiding	●	●	●
Opens	○	●	●
Bare boards (Inner layers, traces, vias)	○	●	●
Component Package Inspection (wire bonds)	○	●	●
Subtle Defect Inspection	○	●	●
Flip Chip Capable	○	●	●
Board Handling			
Maximum PCB Size	16 x 18" 40 x 46cm	16 x 18" 40 x 46cm	16 x 18" 40 x 46cm
X/Y Board Manipulation	Manual Controller	Manual Controller	Manual Controller
Tilt/Rotate Fixture (motorized)	Optional	Optional	Optional
Tube Z1 (motorized)	N/A	N/A	Optional
Detector Z2 (motorized)	N/A	N/A	Optional
X-Ray Image Processors (IP)			
VIP	Standard w/ Piccolo™	Standard w/ Piccolo™	Standard w/ Piccolo™
VIP Plus	Standard w/ Piccolo™	Standard w/ Piccolo™	Standard w/ Piccolo™
VIPx	Optional w/ Cronos™	Optional w/ Cronos™	Optional w/ Cronos™
Computer System			
Computer (DELL™) w/ 3yr Onsite Warranty	Latest Optiplex Model	Latest Optiplex Model	Latest Optiplex Model
Computer Operating System (OS)	Microsoft® XP Pro / 7	Microsoft® XP Pro / 7	Microsoft® XP Pro / 7
Computer Peripherals (Keyboard, mouse, CDRW, printer, cables, software /manuals)	Complete	Complete	Complete
10/100 Ethernet, Network ready (NIC)	NIC	NIC	NIC
Frame Grabber Card (Image Capture)	See IP	See IP	See IP
Video (Flat Panel LCD) Display	19" 48cm	19" 48cm	19" 48cm

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.