

Lynx® VS8 Stereo Inspection Workstation

for dedicated PCB inspection, including Fine Pitch, Surface Mount, TAB and BGA technology.

Lynx VS8 is an advanced stereo zoom microscope for Printed Circuit Board inspection and is ideal for all electronics applications including fine pitch, surface mount, TAB and BGA technology.

- Patented stereo eyepieceless optics provide superb image resolution and contrast for improved fault detection.
- Easy hand-to-eye coordination reduces operator fatigue, resulting in increased throughput, accuracy and reduced scrap.
- Switchable direct or oblique, rotating views allow detailed inspection of solder joints, holes, pillars and thread forms.



Lynx VS8 with patented eyepieceless optics for specialist PCB inspection.



Oblique and direct viewer allows a 34° from vertical view, which can be rotated through 360° for superb stereo view of 3-dimensional subjects.

Lynx VS8 is a variant of Vision Engineering's Lynx stereo microscope. Lynx utilises Vision Engineering's patented Dynascope™ technology to offer the user advanced ergonomics by removing the need for restrictive eyepieces. Lynx VS8 is in use in tens of thousands of PCB manufacturing sites worldwide and provides optimum ergonomics to reduce fatigue, increase operator accuracy and reduce scrap.

Scanning Stage

- Stable, high capacity scanning stage provides free floating movement for all sizes of board, including double sided PCBs. Stage can be locked for precision inspection tasks (x-axis, y-axis, or both). Complete with earthing point for static safe inspection.

Scanning stage	PCB capacity	Viewing area
Standard capacity stage	310mm x 310mm	300mm x 250mm
High capacity stage	460mm x 460mm	450mm x 250mm

Oblique and Direct Viewer

- Allows the operator to view a subject direct or from an angle of 34° from vertical, which can be rotated through 360° enabling a better stereo view of 3-dimensional subjects including PCB solder joints, holes, pillars and thread forms. Integral LED lighting provides long-life, true-colour illumination.



Oblique and direct viewer

Image Capture and Archive

- Digital, USB and 35mm SLR cameras including Sony, Nikon, Pixera, Canon and other leading makes.
- Modular multimedia solutions for image archiving, acquisition, processing, analysis and documentation.



Image capture and archive

Technical Data

Optical

- Dynascope afocal stereo zoom eyepieceless microscope provides a 26.4° field angle.
- Dynascope patented technology optimises head and body freedom providing 10mm radial head freedom and 70mm axial head freedom.

Zoom Magnification (see table)

- x8.2 - x45 standard zoom range.
- Zoom ratio 5.7:1

Illumination

- 14 point LED ring light with intensity control.

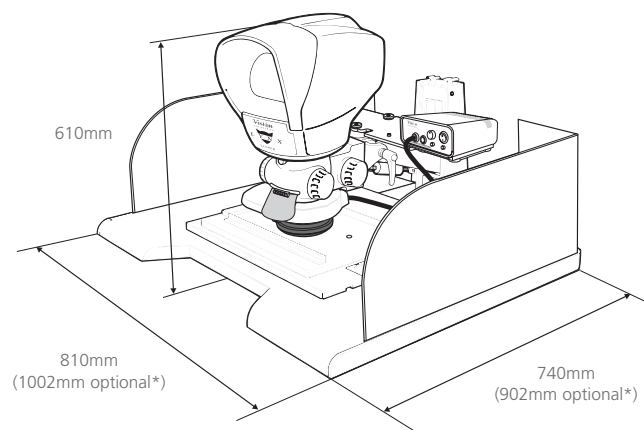
Optical Data

Zoom range		Working distance		Direct view Field of view		Oblique view Field of view	
Direct view	Oblique view	Direct view	Oblique view	at max. zoom	at min. zoom	at max. zoom	at min. zoom (uninterrupted)
x8.2 - x45	x4.9 - x28	57mm	37mm	3.1mm	17.0mm	5.0mm	16.0mm

Weights

- Unpacked weight: 38.5kg (max.)
- Packed weight: 52.5kg (max.)

Dimensions



* High capacity stage.