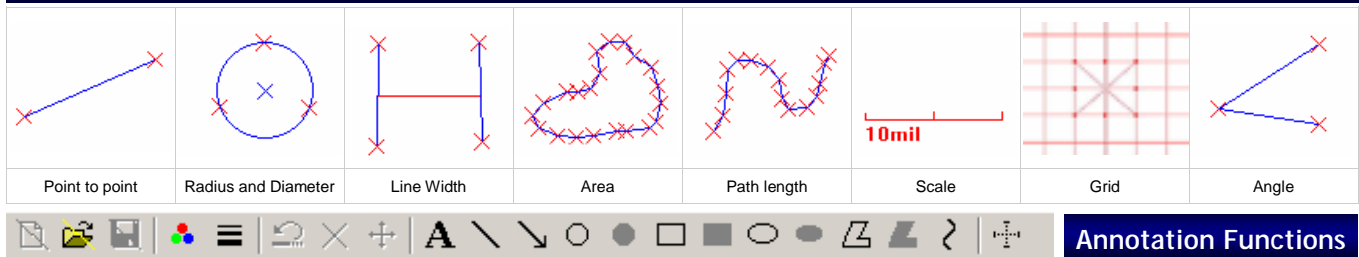
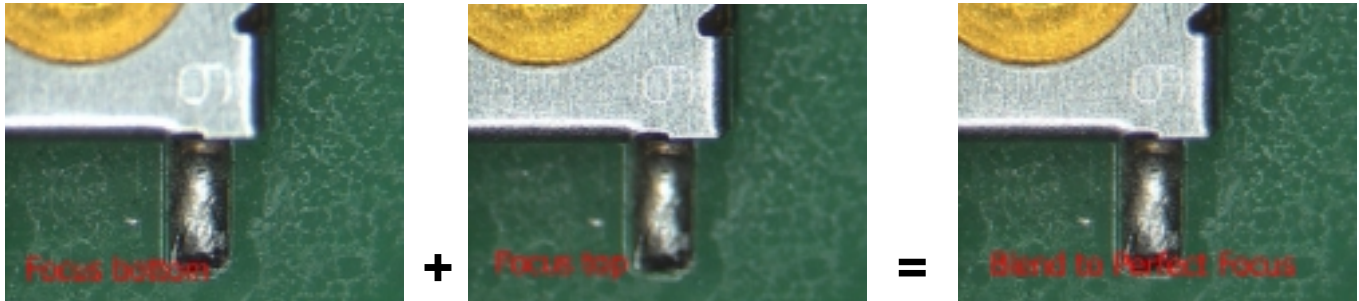


VZM-200 Measurement Functions



VZM-200 Perfect Focus (Blending multi focus layers for perfect focus image)



VZM-200 System Specifications

Camera	Color 1/2" CCD camera DSP, 768(V) x 494(H), 480 TV lines, S-video & Composite video, C-mount	
Zoom Lens (VZ-200)	33x to 200x zoom (based on 14" monitor) with 5 detents, Integrated Focus Ring, Lock Down Screw.	
Working Distance	90mm	
Optic Magnification	@x0.75	@x4.5
Field of View (VxHxD) (mm)	6.4 x 8.5 x 10.7 (mm)	1.1 x 1.4 x 1.8 (mm)
Depth of Field (mm)	1.56 (mm)	0.12 (mm)
Optic Resolution	10.5μ	4.5μ
Illumination	150 watt Halogen light with intensity control and Fiber Optic Ring Light	
System stand	Coaxial Focus Controls with coarse, fine focus and tension adjustment, 10"x13" base with 16" vertical pole.	
Video capture card	High resolution video capture PCI card for high performance full-motion, real-time video display, and high resolution image capture to computer, composite or S-video inputs. Windows 2000/XP compatible.	
Measurement software	Dimensional measurement of XY, Radius, Diameter, Angle, Area, Width, and Path Length. Edge detection. Store 50 calibrations. Image comparison, annotation. Digital Zoom, pixel and histogram view. Full screen view. Video Overlay with cross hair, rectangle with tolerance zone, two sizable & moveable circles, grids, and pair of lines. Measurement data saved with image or output to Excel. Image format: BMP, JPG, TIF, PCX, PNG, PCT. 32 bit applications. Computer system requirements: Windows 2000/XP, 128 MB Ram, 1 GB HD, CD-ROM.	
Measurement Accuracy	@33x 8.5μ	@200x 1.4μ

Options

PL-1300	Change CCD to 1.3 Mega Pixel (1280x1024) Color Digital Firewire Camera, C-mount, Direct to computer
VZ-025	0.25x reducing adapter lens, 289mm W.D. (working distance)
VZ-05	0.5x reducing adapter lens, 215mm W.D.
VZ-15	1.5x magnifying adapter lens, 55mm W.D.
VZ-20	2.0x magnifying adapter lens, 33mm W.D.
HR-10X	10x high power objective, 10mm W.D., expand to 300x-2,000x
AC-200	Coaxial lighting port for through-the-lens illumination
XY-100KR	XY sliding stage 4"x5" with drop down knob controls for fine movement, for VZM-200A
XY-45KB	XY sliding stage 4"x5" with knob controls for fine movement and glass plate for back lighting, for VZM-200B
FS-104	Fiber optic cable for coaxial light port AC-200
FB-33	Back lighting fiber optic plate, 3"x3" active fiber optic back light, plug into LS-150 light source
LS-150	Auxiliary 150 watt Halogen light source for BL150-33
SMF-B	Multi-position boom stand 16"V x 24"H with coaxial coarse/fine focus control and base
VZM-208XYZ	VZM-200 with Manual XYZ measurement stage 6"x8"x3" with 1 micron resolution, complete system with PC

Contact

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