

c-vision™ Lite

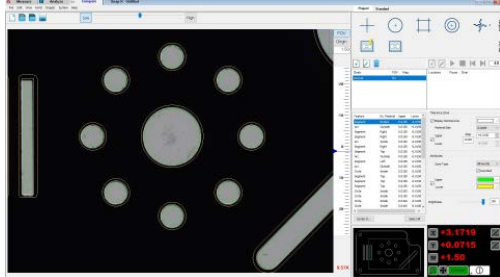
c-vision Lite is an easy to use video comparator. Precision optics and SNAP-X™ Compare electronic overlay charts make comparative inspections easy.

- Three available optical lenses – Single fixed lens or multiple lenses
- Shop hardened and convenient for use on a workbench
- Utilizes LED illumination
- The SNAP-X Compare virtual chart gage software displays both standard and custom overlay charts
- Manual XY table motion with precision linear scales and fine adjusters. Optional motorized XY motion
- Optional fully automatic SNAP-X Measure software, SNAP-X Analyze with GD&T fitting

Benchtop Video Contour Projector®

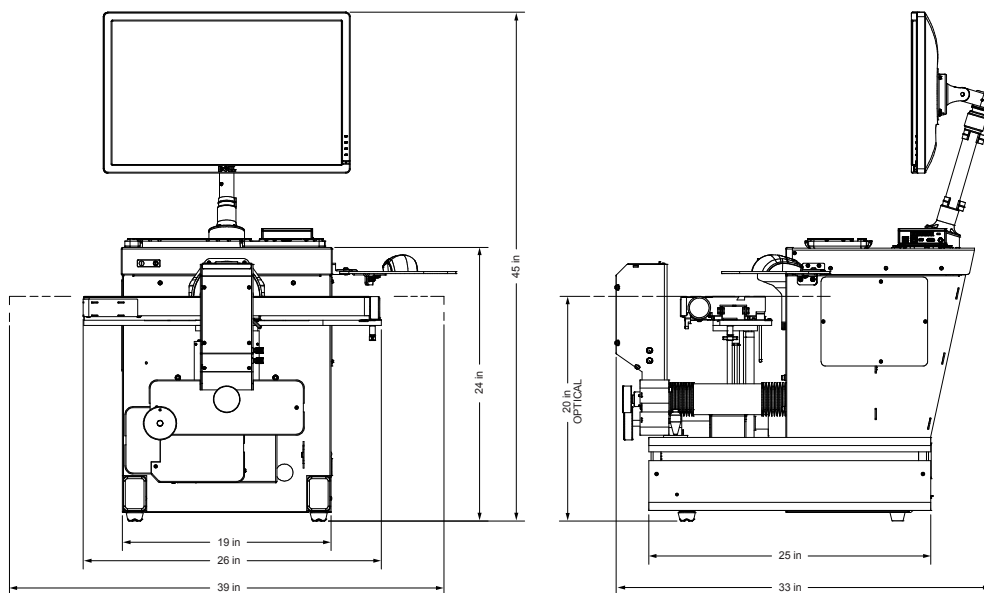


Shown with optional ring light and motorized XY worktable



SNAP-X Compare Software

SNAP-X Compare software provides a range of standard comparator charts for virtual gaging such as centerline and radius, as well as custom charts based on the part CAD design.



System Weight: 355 lb
Shipping Weight: 400 lb

	Standard	Optional	
XYZ travel range	12" x 5" x 1.5"		
Helix angle range	±6.5° with pivoting worktable assembly and zero stop		
Throat clearance	11.0"		
XY scale resolution	0.00004"	0.00002"	
XY drive system	Manual with quick release x-axis and fine adjustment knobs in X and Y	Motorized with variable speed joystick control and manual fine adjustment	
Worktable	Hard coat anodized aluminum with dovetail slot		
Recommended maximum load capacity	45 lb		
Optics	Telecentric, upright and corrected image		Optional motorized three-lens turret
Magnification Lenses	Standard Magnification Lens 1.88" FOV 1.5" DOF 4" WD	Medium Magnification Lens 0.94" FOV 1" DOF 4" WD	High Magnification Lens 0.47" FOV 0.5" DOF 4" WD
Illumination	Green LED profile light with continuously variable intensity		Green LED oblique (dark field) ring light with eight selectable patterns and continuously variable intensity
Metrology Camera	Digital megapixel metrology camera		
Image processing	256 level grayscale processing with 10:1 subpixel resolution		
System controller	Micro system controller with Windows®		
Software	SNAP-X Compare		SNAP-X Measure, SNAP-X Measure Offline, SNAP-X Analyze, EVOLVE™ SPC
Accessories	Manual or motorized rotary indexer; Fixture and calibration reticles; Heavy duty cabinet stand with storage space; Ergonomic, motorized adjustable height stand		
Power requirements	100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 400W		
Rated environment	64° - 72° F, stable at ± 2° F; 30%-80% humidity; vibration <0.001g below 15 Hz		
Operating environment, safe	59° - 86° F		
Stage Accuracy (E₂)	(300+10L) μinch		
Field of view accuracy	Low Mag: 0.0003"		Med Mag: 0.0002" High Mag: 0.00016"

Accuracy is evaluated with a QVI verification procedure where "L" is measured length in inches. Specifications apply within the rated environment. Standard optical specifications apply at the maximum optical magnification of the standard configuration. XY Accuracy applies with an evenly distributed load up to 11 lb in the standard measuring plane. The standard measuring plane is defined as perpendicular to the optical axis within 0.02 inch, and within 0.20 inch of best focus. Depending on load distribution, accuracy at maximum payload may be less than standard.



Confidence. When Results Matter.™

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