

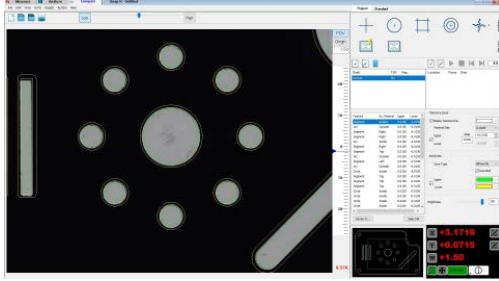
c-vision is the ultimate shop floor measuring system. Its rugged design and 250 lb load capacity put advanced automatic video measurement capability to work right where you need it.

- Telecentric optical system with advanced digital imaging technology and optional dual magnification with motorized turret
- SNAP-X™ Compare Virtual Chart Gage Software directly compares part to a DXF CAD file
- 15" x 9" Motorized XY table motion with precision linear scales and manual fine adjusters
- Integrated controller with keyboard mounted on a convenient fold-down tray
- Optional fully automatic SNAP-X Measure software

High Capacity Video Contour Projector®

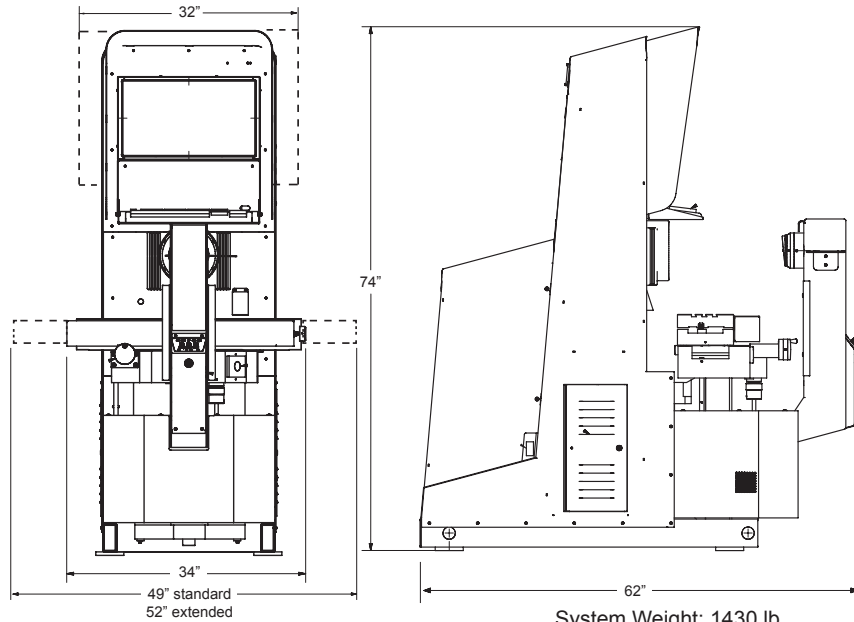


c-vision™ Floor Model



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: 1430 lb
Shipping Weight: 1760 lb

	Standard	Optional
XYZ Travel Range	15" x 9" x 2"	15" x 10" x 2" 18" x 9" x 2" 18" x 10" x 2"
Helix Angle Range		±7.5° with pivoting worktable assembly and zero stop
Throat Clearance	16"	
XY Scale Resolution	.00004"	0.00002"
XY Drive System	Motorized with variable speed joystick control	
Worktable	Heavy-duty nickel-clad cast-iron worktable, 32" x 8"	
Recommended maximum load capacity	250 lb	
Optics	Dual magnification, Fully telecentric, long depth of field	
Metrology Camera	Large Field Megapixel Metrology Camera	
Magnification Lenses	Low Magnification Lens 4" FOV 2" DOF 6" WD	4X High Magnification Lens 1" FOV 0.4" DOF 6" WD
10X High Magnification Lens (factory installed, in lieu of 4X lens)	0.4" FOV 0.08" DOF 6" WD	
Illumination	Green LED profile light	Green LED oblique ring illuminator with eight selectable patterns and Green LED through-the-lens surface light with continuously variable intensity control
Image Processing	256 level grayscale processing with 10:1 subpixel resolution	
System Controller	QVI® standard system controller with networking and communication ports*	
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; Swing away lamp house; Worktable dust cover; Helix pivoting worktable
Power Requirements	100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 750 W	
Rated Environment	64 - 72° F, stable to ±2° F; 30-80% humidity; vibration <0.001g below 15 Hz	
Operating Environment, Safe	59 - 86° F	
Stage Accuracy (E_s)	(300+10L) μinch	
Field of View Accuracy	Low Mag: 0.0003" High Mag 4X: 0.00016" High Mag 10X: 0.00012"	

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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