



c-vision™ Floor Model

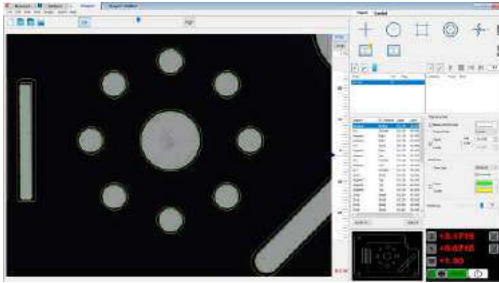
c-vision is the ultimate shop floor measuring system. Its rugged design and 113 kg load capacity put advanced automatic video measurement capability to work right where you need it.

- 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
- 380 x 225 mm 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®

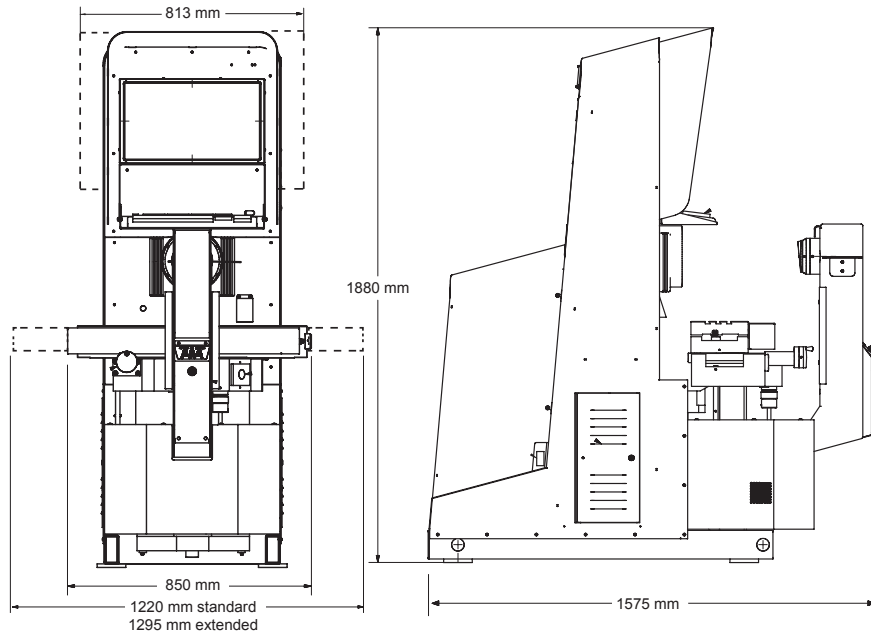


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SNAP-X Compare Software

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: 649 kg
Shipping Weight: 798 kg

	Standard	Optional
XYZ Travel Range	380 x 225 x 50 mm	380 x 250 x 50 mm 455 x 225 x 50 mm 455 x 250 x 50 mm
Helix Angle Range		±7.5° with pivoting worktable assembly and zero stop
Throat Clearance	400 mm	
XY Scale Resolution	0.001 mm	0.0005 mm
XY Drive System	Motorized with variable speed joystick control	
Worktable	Heavy-duty nickel-clad cast-iron worktable, 800 x 200 mm	
Recommended maximum load capacity	113 kg	
Optics	Dual magnification, Fully telecentric, long depth of field	
Metrology Camera	Large Field Megapixel Metrology Camera	
Magnification Lenses	Low Magnification Lens 100 mm FOV 50 mm DOF 150 mm WD	4X High Magnification Lens 25 mm FOV 10 mm DOF 150 mm WD
		10X High Magnification Lens (factory installed, in lieu of 4X lens) 10 mm FOV 2 mm DOF 150 mm 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	18 - 22° C, stable to ±1° C; 30-80% humidity; vibration <0.001g below 15 Hz	
Operating Environment, Safe	15 - 30° C	
Stage Accuracy (E_z)	(7.5 + L/100) μm	
Field of View Accuracy	Low Mag: 7.5 μm High Mag 4X: 4.0 μm High Mag 10X: 3.0 μm	

Accuracy is evaluated with a QVI verification procedure where "L" is measured length in millimeters. 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 5 kg in the standard measuring plane. The standard measuring plane is defined as perpendicular to the optical axis within 0.5 mm, and within 5.0 mm of best focus. Depending on load distribution, accuracy at maximum payload may be less than standard.



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