

c-vision™ Floor Model

High Capacity Video Contour Projector®

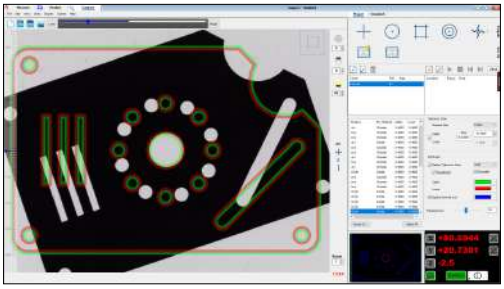
c-vision Floor Model, the ultimate shop floor video measuring system, has the largest measuring range in its class. c-vision Floor Model offers:

- **Accurate Image/Low Distortion –** Provided by the telecentric, wide field dual magnification optical system with advanced digital imaging technology. The AccuCentric® assembly automatically compensates when switching between magnifications.
- **Rugged Design –** The motorized XY table motion is driven by precision linear scales and fine adjusters. Operators enjoy the integrated controller, trackball, and keyboard mounted on a fold-down tray. All LED illumination provides ultra-bright, long life. The optional helix stage is perfect for checking threads, and optional swing-away lamphouse provides agility in loading larger parts.
- **Measure-X®: Powerful Software –** Display standard and custom overlay charts in Compare mode; Launch Measure mode for fully automatic video measurement; perform GD&T fitting in Analyze mode.



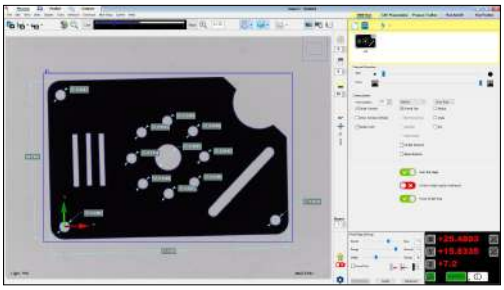
High payload capacity puts advanced automatic video measurement to work for large, heavy parts. Shown with optional LED ring light.

c-vision™ Floor Model



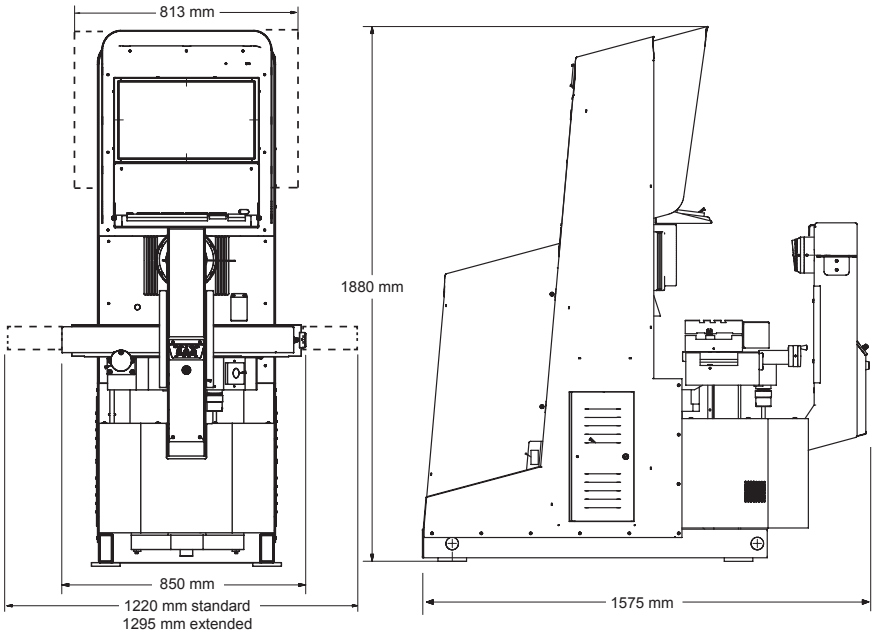
Measure-X Compare Software

Measure-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.



Measure-X Measure Software

Measure-X Measure software provides fully automatic video measurement.



System Weight: 649 kg
Shipping Weight: 798 kg

	Standard		Optional
XYZ Travel	380 x 225 x 50 mm		380 x 250 x 50 mm 455 x 225 x 50 mm 455 x 250 x 50 mm
XY Scale Resolution	1 µm		0.5 µm
Drive System	Motorized with variable speed joystick control and manual fine adjustment		
Worktable	Heavy-duty nickel-clad cast-iron worktable, 800 x 200 mm, with three dovetail fixturing slots with 160 kg load capacity		
Helix Angle Range			± 7.5° with pivoting worktable assembly and zero stop
Throat Clearance	400 mm		
Optics	Dual magnification, Fully telecentric, long depth of field		
Illumination	Green LED profile light with continuously variable intensity		Green LED oblique (dark field) ring illuminator with eight selectable patterns and Green LED through-the-lens surface light with continuously variable intensity control
Magnification Lenses	**Low Magnification Lens** 100 mm Field of View (FOV) 50 mm Depth of Field (DOF) 150 mm Working Distance (WD)	**4x High Magnification Lens** 25 mm Field of View (FOV) 10 mm Depth of Field (DOF) 150 mm Working Distance (WD)	**10x High Magnification Lens (factory installed, in lieu of 4x lens)** 10 mm Field of View (FOV) 2 mm Depth of Field (DOF) 150 mm Working Distance (WD)
Metrology Camera	Large field megapixel metrology camera		
Software	Measure-X Measure and Compare		Measure-X Analyze, Measure-X Offline, EVOLVE® SPC
System Controller	Standard system controller with networking and communication ports		
Accessories			Motorized rotary indexer; Calibration reticles; Swing away lamphouse; Helix pivoting worktable; Rotary vise; Staging centers and V-blocks
Power Requirements	100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 1050 W		
Safe Operating Environment	15-30° C, non-condensing		
Rated Environment	Temperature 18°-22 °C, stable at ± 1 °C, max rate of change 1 °C/hour, max vertical gradient of 1 °C/meter; 30%-80% humidity; vibration <0.001g below 15 Hz		
Stage Accuracy (E_2)	(7.5 + L/100) µm		
Field of View Accuracy (E_2)	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.
This equipment complies with EMC directive EN IEC 61326-1, Class A.

ogp **Confidence.** When Results Matter.™

World Headquarters: Rochester, NY, USA • 585.544.0400 • www.ogpnet.com
OGP Shanghai Co, Ltd: Shanghai, China
86.21.5045.8383/8989 • www.smartscope.com.cn
OGP Messtechnik GmbH: Hofheim-Wallau, Germany
49.6122.9968.0 • www.ogpmesstechnik.de
Optical Gaging (S) Pte Ltd: Singapore • 65.6741.8880 • www.smartscope.com.sg

© 2023 Quality Vision International Inc. Specifications subject to change without notice. All rights reserved. Trademarks are the properties of their respective owners.
Export of this product is controlled under U.S. Export Regulations. An Export License may be required for deliveries or re-export outside the United States. Part Number 794138-0523