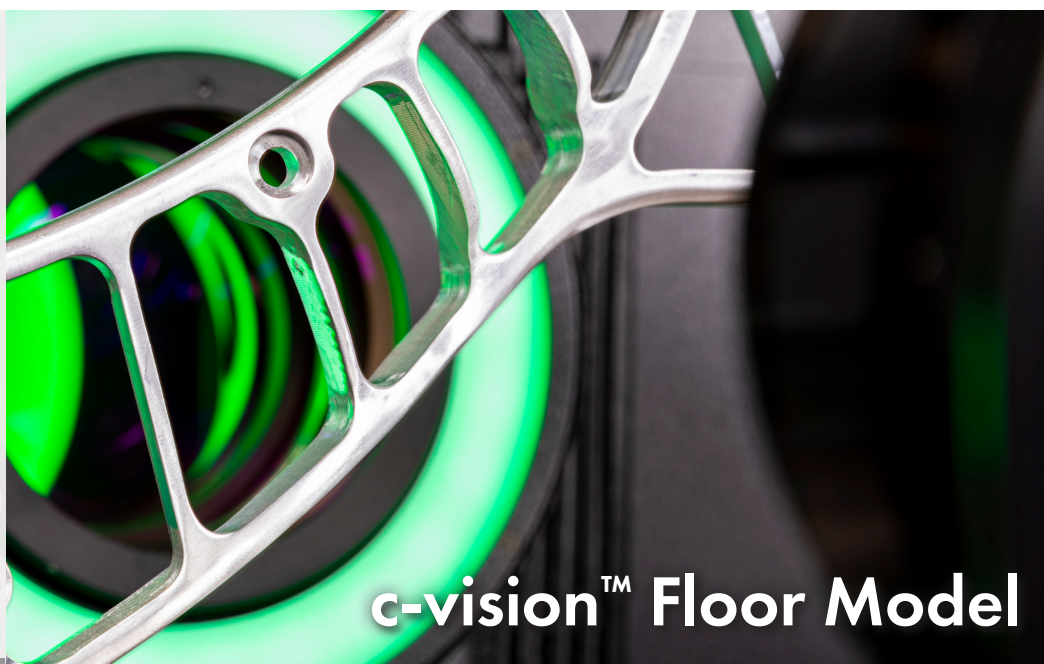




**c-vision Floor Model**, the ultimate shop floor video contour projector with dual-magnifications and offers:

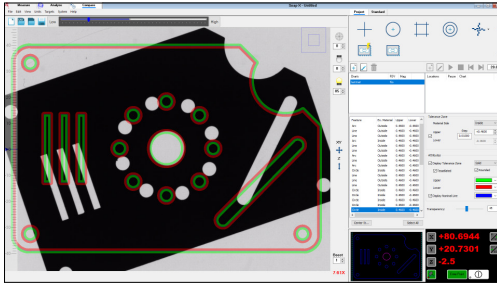
- **Accurate Image/Low Distortion –**  
Provided by the telecentric, wide field dual magnification optical system with advanced digital imaging technology. The AccuCentric® assembly automatically compensates when switching between magnifications.
- **Rugged Design –**  
The motorized XY table motion 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 Capacity Video Contour Projector®



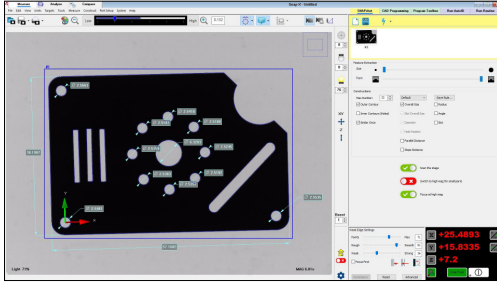
Shown with optional LED ring light.

# c-vision™ Floor Model



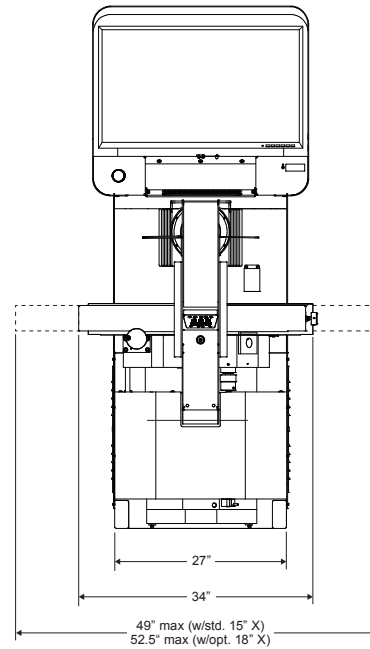
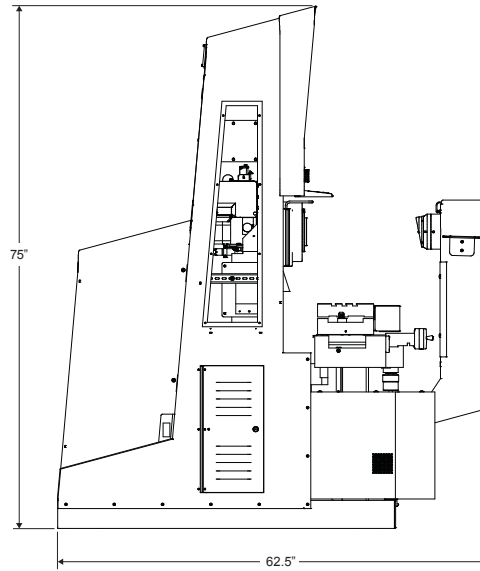
## Measure-X Compare Software

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: 1430 lb  
Shipping Weight: 1760 lb

|                                          | Standard                                                                                                                                                   |                                                                                                                      | Optional                                                                                                                                                         |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| XYZ Travel                               | 15" x 9" x 2"                                                                                                                                              |                                                                                                                      | 15" x 10" x 2"<br>18" x 9" x 2"<br>18" x 10" x 2"                                                                                                                |
| XY Scale Resolution                      | 0.00004"                                                                                                                                                   |                                                                                                                      | 0.00002"                                                                                                                                                         |
| Drive System                             | Motorized with variable speed joystick control and manual fine adjustment                                                                                  |                                                                                                                      |                                                                                                                                                                  |
| Worktable                                | Heavy-duty nickel-clad cast-iron worktable, 32" x 8", with three dovetail fixturing slots with 350 lb load capacity                                        |                                                                                                                      |                                                                                                                                                                  |
| Helix Angle Range                        |                                                                                                                                                            |                                                                                                                      | ± 7.5° with pivoting worktable assembly and zero stop                                                                                                            |
| Throat Clearance                         | 16"                                                                                                                                                        |                                                                                                                      |                                                                                                                                                                  |
| Optics                                   | Dual magnification with six field of view sizes, fully telecentric, long depth of field, upright and fully corrected image                                 |                                                                                                                      |                                                                                                                                                                  |
| Illumination                             | LED profile light with continuously variable intensity                                                                                                     |                                                                                                                      | LED oblique 8-sector ring light; LED coaxial surface light                                                                                                       |
| Magnification Lenses                     | <b>Low Magnification Lens</b><br>4" Field of View (FOV)<br>2" Depth of Field (DOF)<br>6" Working Distance (WD)                                             | <b>4x High Magnification Lens</b><br>1" Field of View (FOV)<br>0.4" Depth of Field (DOF)<br>6" Working Distance (WD) | <b>10x High Magnification Lens (factory installed, in lieu of 4x lens)</b><br>0.4" Field of View (FOV)<br>0.08" Depth of Field (DOF)<br>6" 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                                                                                         |                                                                                                                      |                                                                                                                                                                  |
| Controller Options                       | 32" flat panel LCD monitor, keyboard, 3-button mouse                                                                                                       |                                                                                                                      | Side-mounted second monitor                                                                                                                                      |
| Accessories                              | Motorized rotary indexer; Overhead light shield; Calibration reticles; Swing away lamphouse; 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               | 59-86° F, non-condensing                                                                                                                                   |                                                                                                                      |                                                                                                                                                                  |
| Rated Environment                        | Temperature 64-72 °F, stable to ± 2 °F, max rate of change 2 °F/hour, max vertical gradient of 1.5 °F/yard; 30-80% humidity; vibration <0.001g below 15 Hz |                                                                                                                      |                                                                                                                                                                  |
| Stage Accuracy (E <sub>2</sub> )         | (300 + 10L) μinch                                                                                                                                          |                                                                                                                      |                                                                                                                                                                  |
| Field of View Accuracy (E <sub>2</sub> ) | Low Mag: 0.0003"<br>High Mag 4x: 0.00016"<br>High Mag 10x: 0.00012"                                                                                        |                                                                                                                      |                                                                                                                                                                  |

Accuracy is evaluated with a QVI® compensation and 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.



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