



QVI® StarLite™ 150

Benchtop Measuring Machine

StarLite 150 is compact and reliable video measurement system combining fully automatic measurements with easy to use manual stage motion. StarLite's robust stage, motorized zoom optics and high resolution digital camera provide the accuracy you expect from a high performance measurement system.

- 3-axis (X,Y,Z) measurement capability
- Digital megapixel color camera coupled with a motorized zoom lens
- LED backlight and VectorLight™ programmable LED ring light with 6 rings and 8 sectors

StarLite 150 Measuring Range (mm)			
	X	Y	Z
150	150	75	125



Measurement Software

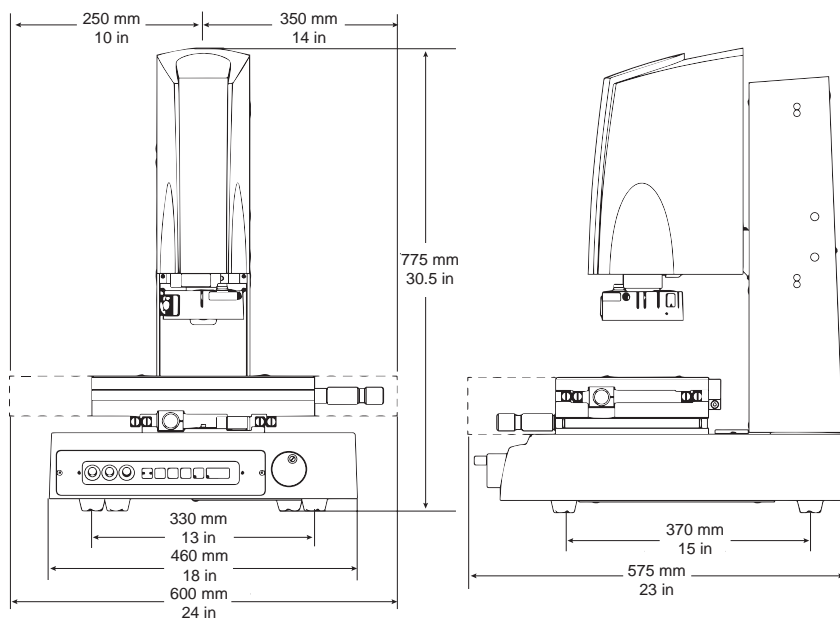
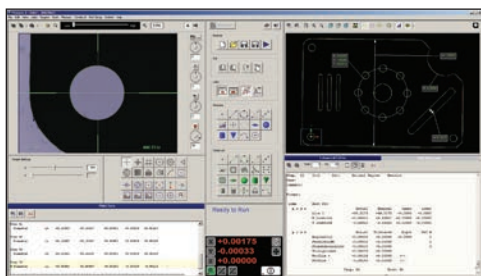
Measure-X® is the world's most popular metrology software. When paired with QVI StarLite, Measure-X makes it easy to accurately measure fine features that require multi-step measurement routines. All measurements are fully automatic. Measure-X guides the user to position each feature using the manual stage controls.

Optional Measurement Software

- MeasureFit®
- SmartReport® powered by QC-CALC™
- CAD interface
- SmartFeature® software for FDA compliant environments

Miscellaneous Options

- Optical accessory kit
- Manual rotary indexer
- NIST traceable calibration artifact
- Footswitch
- Dust cover



System Weight: 43 kg

	Standard		Optional
X, Y, Z Travel	150 x 75 x 125 mm 6 x 3 x 5 in		
X, Y, Z Scale Resolution	1.0 µm (.00004 in)		
Stage Drive System	Mechanical bearings with both coarse and fine X, Y, Z position adjustment		
Max Recommended Stage Load	7 kg (15 lb)		
Working Distance	62 mm (2.5 in) (with standard VectorLight™)		
Imaging Optics	6.5:1, 10 position motorized zoom lens		
Lens Attachments			0.5X, 0.75X, 1.5X, 2.0X
Field of View *Highest available magnification	Low Mag 9.1 mm (0.36 in) diagonal	High Mag* 0.6 mm (0.02 in) diagonal	
Metrology Camera	QVI Digital, Megapixel Metrology Camera		
Magnification on 24" LCD Monitor	24x to 370x on-screen digital/optical magnification standard with full feature Measure-X layout		12x to 740x on-screen digital/optical magnification with optional add-on lenses and dual monitor user interface
Illumination	LED VectorLight™ programmable ring light with 6 rings and 8 sectors, LED backlight		LED VectorLight™ programmable ring light with 6 rings and 8 sectors, LED square-on surface light
Controller	Windows™ Controller with Speed/Bus ICORE 5 Quad CPU, 4 GB RAM, 160 GB hard drive		Single flat panel LCD monitor, or dual flat panel LCD monitors; keyboard, mouse
Temperature	20 ± 1° C (rated), 15-30° C (safe operating range)		
Power	100/240 VAC, 50/60 Hz, 1 phase, 100 W		
XY Area Accuracy (at 20°C) ^{1,3}	E _x : (3.5 + 6L/1000) µm E _y : (4.5 + 8L/1000) µm		
Z Linear Accuracy (at 20°C) ^{2,3}	E _z : (7.0 + 8L/1000) µm		
Notes	1. Where L = length in mm, with evenly distributed 5 kg load in the standard measuring plane, depending on load distribution, accuracy at maximum rated load may be less than standard accuracy. XY axis artifact: 25 intersection grid reticle in the standard measuring plane. The standard measuring plane is defined as a plane that is 25 mm above the worktable. All optical accuracy specifications at maximum zoom lens setting. 2. Z axis artifact: QVI step gage or master gage blocks. 3. E _x , Z axis linear and E _y , XY area accuracy standards are described in QVI Publication Number 790762.		

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