

QVI® SprintMVP™ 1500|1550|1552

Large Capacity Measurement System

RAM

SprintMVP large capacity measurements systems offer fully automatic, non-contact measurement for very large parts or groups of parts. An impressive list of standard features make these systems a great value. Trust SprintMVP systems for accurate, repeatable measurements.

- Moving bridge design convenient for part loading/unloading
- 3 different large capacity travel ranges to choose from
- Motorized zoom lens system with high resolution digital color camera
- Full function Measure-X® metrology software for fully automatic operation



SprintMVP Measuring Ranges (mm)				
Models		X	Y	Z
	1500	900	1500	200
	1550	1250	1500	200
	1552	1500	1500	200



SprintMVP 1500 model shown

QVI® SprintMVP™ 1500|1550|1552

Measurement Software

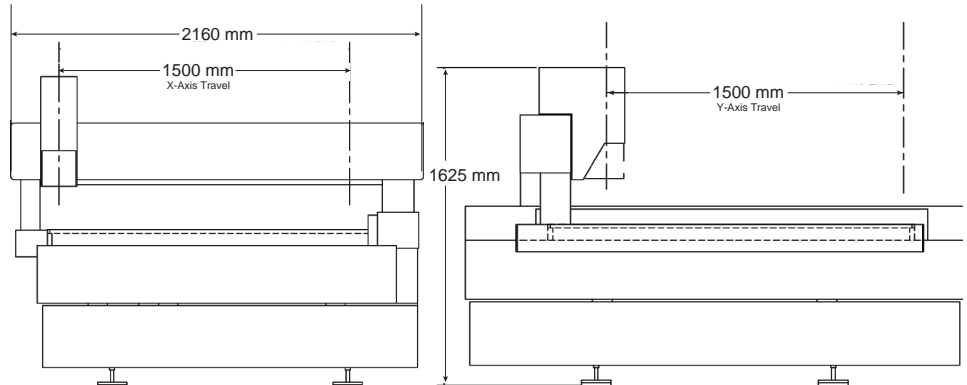
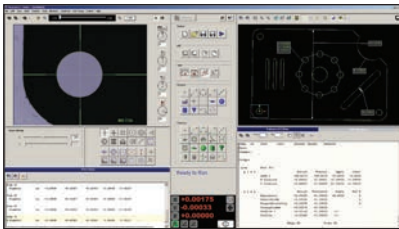
Measure-X® is the world's most popular metrology software. When paired with SprintMVP, Measure-X makes it easy to accurately measure fine features that require multi-step measurement routines, automatically combining autofocus, programmable lighting, and laser scanning.

Optional Measurement Software

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

Miscellaneous Options

- Renishaw touch probe and change rack
- QVI® DRS laser
- Rotary indexer
- Digital I/O capability



SprintMVP 1552 Model Shown

Crated System Weight:
1500 Model: 2,590 kg
1550 Model: 5,460 kg
1552 Model: 6,380 kg

		Standard		Optional		
X, Y, Z Travel	1500	900 x 1500 x 200 mm		900 x 1800 x 200 mm	900 x 2000 x 200 mm	900 x 1500 x 300 mm
	1550	1250 x 1500 x 200 mm		1250 x 1800 x 200 mm	1250 x 2000 x 200 mm	1250 x 1500 x 300 mm
	1552	1500 x 1500 x 200 mm			1500 x 2000 x 200 mm	1500 x 1500 x 300 mm
X, Y, Z Scale Resolution		0.5 µm				
Stage Drive System		Moving bridge style XYZ transport, with dual Y-axis drives and scales				
Max Recommended Stage Load		100 kg				
Working Distance		62 mm (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 (mm) *Highest available magnification	Low Mag	High Mag*				
	9.1 mm diagonal	0.6 mm 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 1470x on-screen digital/optical magnification with optional add-on lenses and dual monitor user interface	
Illumination		LED VectorLight™ (six rings, seven sectors), LED backlight, LED surface light (square-on)			Full LED VectorLight™ (six rings, eight sectors) with surface light	
Controller		Windows™ Controller with Speed/Bus Core i5 Processor, 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)				
Power		100/240 VAC, 50/60 Hz, 1 phase, 100 W				
XY Area Accuracy (at 20°C) *1,3		E ₂ : (5.0 + 8L/1000) µm (1500 Model) E ₂ : (5.5 + 8L/1000) µm (1550 Model) E ₂ : (8.5 + 8L/1000) µm (1552 Model)				
Z Linear Accuracy (at 20°C) *2,3		E _z : (5.6 + 8L/1000) µm (for standard optics) (All Models)			E _z : (4.0 + 8L/1000) µm (with 2.0X lens attachment) (All Models)	
Notes:		1. Where L = length in mm, with evenly distributed 40 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 _z , Z axis linear and E ₂ , XY area accuracy standards are described in QVI Publication Number 790762.				



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