



QVI® SprintMVP™ 600

Extended Travel 3-Axis Measurement System

RAM

SprintMVP™ 600 is a large capacity, fully automatic, 3 axis dimensional measuring system. SprintMVP features high precision stages and optics, and a high resolution color camera for crystal clear imaging.

- Motorized zoom lens optics with high resolution digital color camera
- Massive granite base for stability
- Full function Measure-X® metrology software for fully automatic routines



SprintMVP 600 Measuring Range (mm)			
	X	Y	Z
600	810	450	150



**Total Quality
Systems Inc.**

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Measurement Software

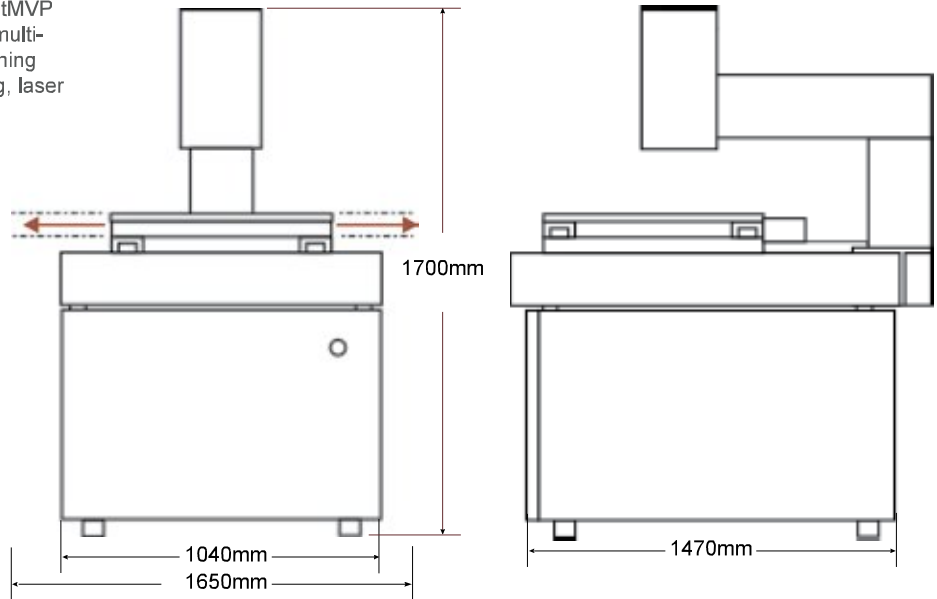
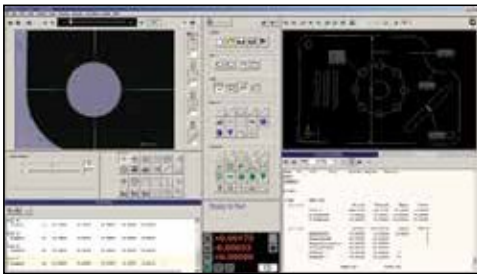
Measure-X® is the world's most popular metrology software. Measure-X makes it easy for QVI SprintMVP to accurately measure fine features that require multi-step measurement routines, automatically combining autofocus, edge detection, programmable lighting, laser scanning and touch probing.

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



System Weight: 1300 kg

	Standard	Optional
X, Y, Z Travel	610 x 450 x 150 mm	
X, Y, Z Scale Resolution	0.5 µm	
Stage Drive System	Precision, compound motorized XY stage and linear Z stage with 3-axis joystick control	
Max Recommended Stage Load	30 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 *Highest available magnification	Low Mag 9.1 mm diagonal	High Mag 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 740x on-screen digital/optical magnification with optional add-on lenses and dual monitor user interface
Illumination	LED VectorLight™ SP programmable ring light with 6 rings and 7 sectors, LED backlight, LED square-on surface light	LED VectorLight™ SF programmable ring light with 6 rings and 8 sectors, LED backlight, LED square-on surface light
Controller *Controller configuration subject to change without notice.	QVI standard system controller with networking and communication ports*	Single flat panel LCD monitor, or dual flat panel LCD monitors; keyboard, mouse
Temperature	20 ± 1° C (rated), 15-30° C (safe operating)	
Power	115/230 VAC, 50/60 Hz, 1 phase, 700W	
XY Area Accuracy (at 20°C) 1,3	$E_z: (3.5 + 8L/1000) \mu\text{m}$	
Z Linear Accuracy (at 20°C) 2,3,4	$E_x: (4.0 + 8L/1000) \mu\text{m}$	
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 _z , Z axis linear and E _{xy} , XY area accuracy standards are described in QVI Publication Number 790762. 4. E _x , Z axis accuracy specifications tested with optional 2.0X add-on lens.	



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