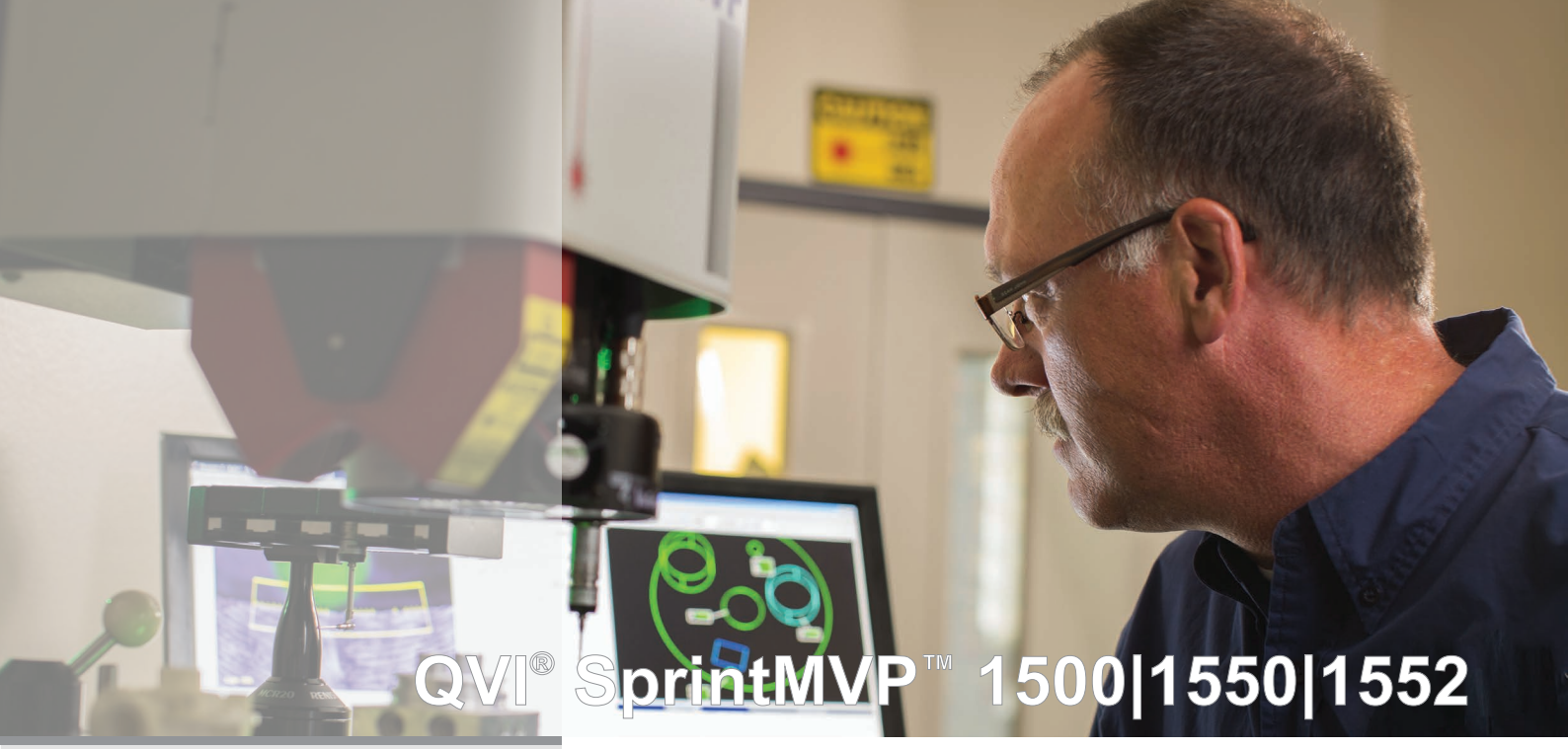


QVI® SprintMVP™ 1500|1550|1552

Extra Large Capacity Measurement System

RAM

SprintMVP 1500 series measurement 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, for convenient part loading and fixturing
- 11 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)			
		X	Y	Z
Models	**1500**	900	1500	200
	1550	1250	1500	200
	1552	1500	1500	200

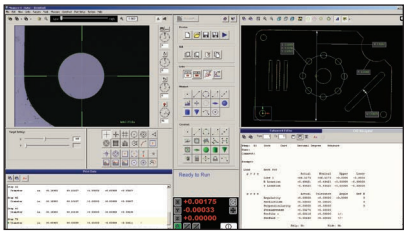
SprintMVP 1500 model shown

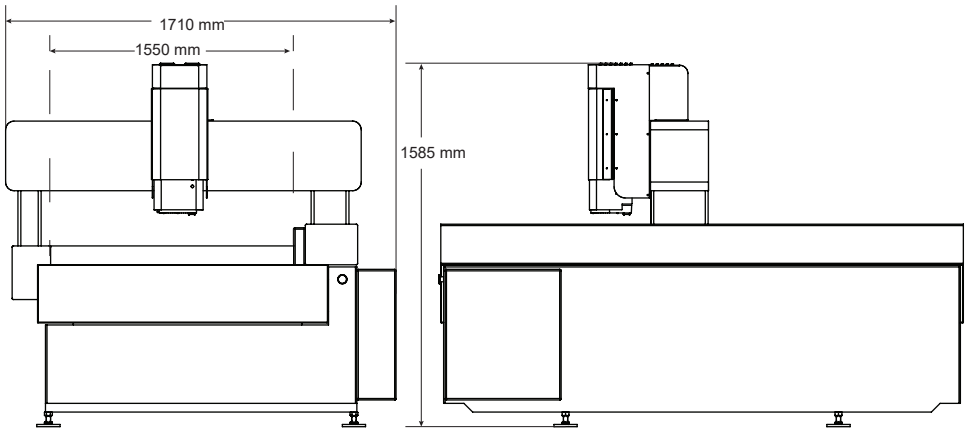
QVI

QVI® SprintMVP™ 1500|1550|1552

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.





SprintMVP 1550 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 Color 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 and LED square-on surface light (reduced working clearance)		
Sensor Options				Renishaw touch probe and change rack, QVI® DRS laser		
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		
Software		Measure-X		MeasureFit®, SmartReport®, CAD interface, SmartFeature® software for FDA compliant environments		
Miscellaneous Options				Rotary indexer, digital I/O capability		
Rated Environment		Temperature 18-22° C, stable to ±1° C; 30-80% humidity; vibration <0.001g below 15 Hz				
Power		100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 750W				
XY Area Accuracy [1,2,3,4,5,6]		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 [1,2,3,4,5,6]		E_1: (5.0 + 8L/1000) µm (for standard optics) (All Models)		E_1: (4.0 + 8L/1000) µm (with 2.0X lens attachment) (All Models)		
Notes:		1. Where L = Measurement length in mm. | 2. With evenly distributed 5 kg load in the standard measuring plane. Depending on load distribution, accuracy at maximum recommended load may be less than standard accuracy. | 3. All optical accuracy specifications at maximum optical magnification at 1:1 digital pixel resolution. | 4. All specifications apply to a thermally stable system operated in the rated environment. | 5. Maximum rate of temperature change: 1° C per hour. Maximum vertical temperature gradient: 1°C per meter. | 6. Calibration artifacts are described in QVI publication number 790762.				

Quality Vision International, Inc.
Phone: +1 585 758 1300
Fax: +1 585 506 4307
raminfo@qvii.com
www.qvii.com/ram

RAM

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