

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.

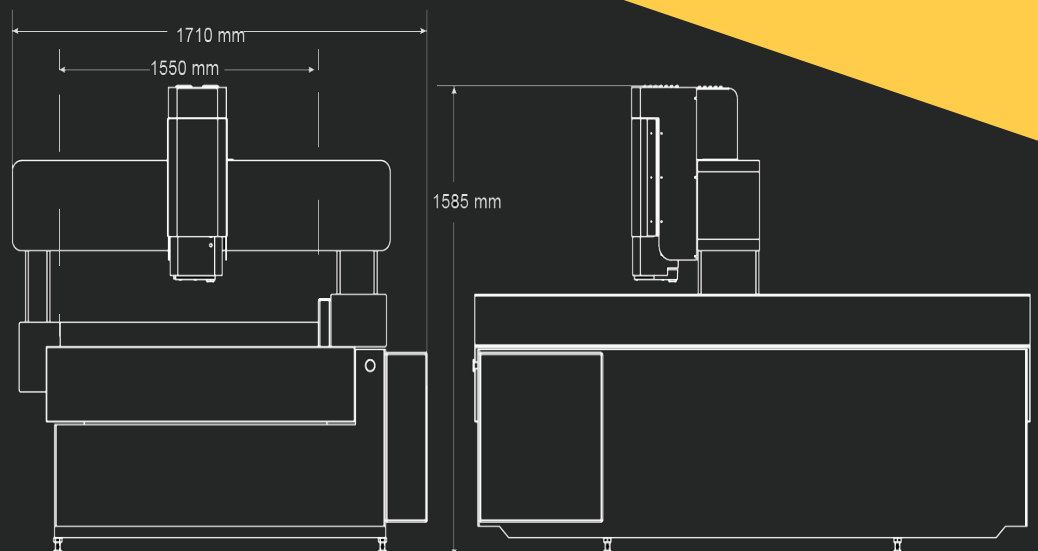
- Moving bridge design, for convenient part loading and fixturing
- 11 different large capacity travel ranges to choose from
- Motorized zoom lens system with high resolution digital color camera
- Full function Measure-X® metrology software for fully automatic operation inspection and measurement



Extra Large Capacity Measurement System

Models	SprintMVP Measuring Ranges (mm)		
	X	Y	Z
1500	900	2500	200
1550	1250	1500	200
1552	1500	1500	200

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



Technical data SprintMVP 1500 | 1550 | 1552

		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) <small>*Highest available magnification</small>		Low Mag 9.1 mm diagonal	High Mag* 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 <small>*Controller configuration subject to change without notice.</small>		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 _x : (5.0 + 8L/1000) µm (1500 Model) E _y : (5.5 + 8L/1000) µm (1550 Model) E _z : (8.5 + 8L/1000) µm (1552 Model)			
Z Linear Accuracy ^{1,2,3,4,5,6}		E _z : (5.0 + 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 = 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.			

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