SprintMVP™ 1500 | 1550 | 1552

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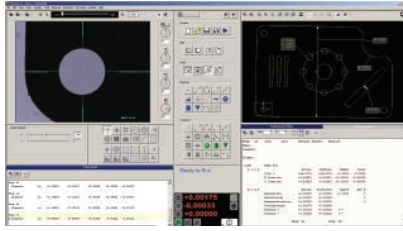
Models	SprintMVP Measuring Ranges (mm)			
		X	Y	Z
	1500	900	1500	200
	1550	1250	1500	200
	1552	1500	1500	200

## Extra Large Capacity Measurement System

SprintMVP 1500 model shown

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™ 1500│1550│1552

1710 mm
1550 mm
1585 mm
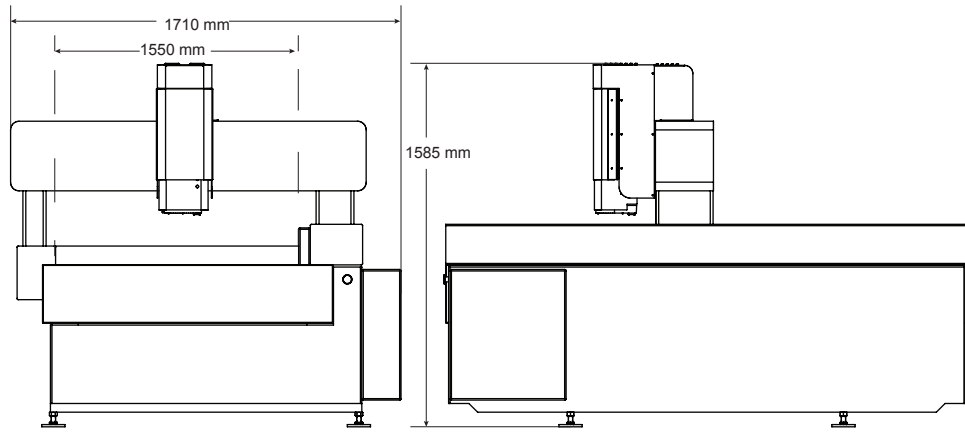
SprintMVP 1550 Model Shown

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 / 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 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 + 6L/1000) μm (1500 Model) E_2: (5.5 + 6L/1000) μm (1550 Model) E_2: (8.5 + 6L/1000) μm (1552 Model)			
Z Linear Accuracy (at 20°C) *[2,3]		E_1: (5.6 + 8L/1000) μm (for standard optics) (All Models)	E_1: (4.0 + 8L/1000) μm (with 2.0X lens attachment) (All Models)		

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.

Confidence. When Results Matter.™