SprintMVP™ 1500|1550|1552

Extra Large Capacity Measurement System

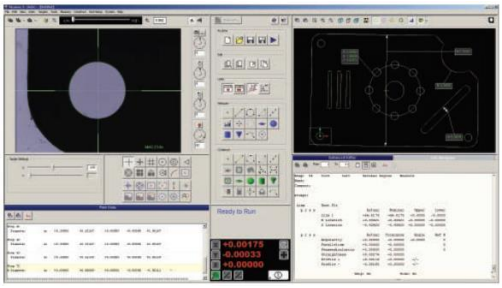
SprintMVP 1500 series measurement systems offer fully automatic, non-contact measurement for very large parts or groups of parts. An impressive list of standard features make these systems a great value. Trust SprintMVP systems for accurate, repeatable measurements.

- 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)			
Models		X	Y	Z
	1500	900	1500	200
	1550	1250	1500	200
	1552	1500	1500	200

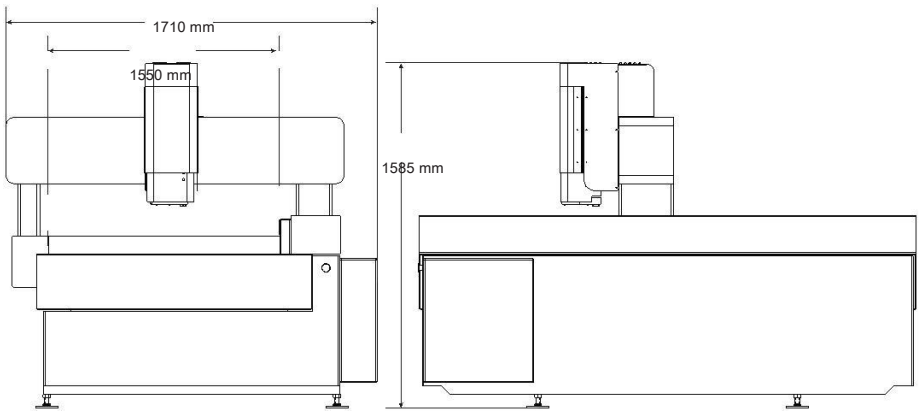
SprintMVP 1500 model shown

SprintMVP™ 1500|1550|1552



Measurement Software

Measure-X is the world's most popular video metrology software. Measure-X makes it easy for 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

System Weight:	Shipping Weight:
1500 Model: 2,590 kg	1500 Model: 3,000 kg
1550 Model: 5,460 kg	1550 Model: 6,260 kg
1552 Model: 6,380 kg	1552 Model: 7,280 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™)		Up to 133 mm (0.5x lens attachment)		
Imaging Optics		6.5:1, 10 position motorized zoom lens				
Lens Attachments				0.5X, 0.75X, 1.5X, 2.0X		
Field of View (mm) *Uses optical and digital zoom		Low Mag	High Mag*	Low Mag (0.5X)	High Mag* (2.0X)	
		7.3 mm x 5.5 mm	0.5 mm x 0.4 mm	14.6 mm x 11.0 mm	0.27 mm x 0.20 mm	
Metrology Camera		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		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® Plus, SmartReport®, CAD interface, SmartProfile®, EVOLVE™ SPC, SmartSCS software for FDA compliant environments		
Miscellaneous Options				Rotary indexer, digital I/O capability		
Power		100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 750W				
Operating Environment		Temperature 15-30 °C				
Rated Environment		Temperature 18-22 °C, stable to ±1 °C, max rate of change 1 °C / hour, max vertical gradient of 1 °C / meter; 30-80% humidity; vibration <0.001g below 15 Hz				
XY Area Accuracy		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		E_1: (5.0 + 8L/1000) µm		E_1: (4.0 + 8L/1000) µm (with 2.0X lens attachment)		

Accuracy is evaluated with a QVI verification procedure where "L" is measured length in millimeters. Specifications apply within the rated environment. Standard optical specifications apply at the maximum optical magnification of the standard configuration. XY Accuracy applies with an evenly distributed load up to 10 kg in the standard measuring plane. The standard measuring plane is defined as a plane that is within 25 mm of the worktable surface. Depending on load distribution, accuracy at maximum payload may be less than standard.

ogp **Confidence.** When Results Matter.™