



Sprint MVP

A Large Capacity Video Measurement System

1500 - 1552

Automatic Large Area Measurement System

SprintMVP™ 1500 is an automatic, non-contact measurement system for large parts. An impressive list of standard features makes SprintMVP 1500 a great value, and a system you can trust for accurate, repeatable measurements.



Measurement Range (mm)

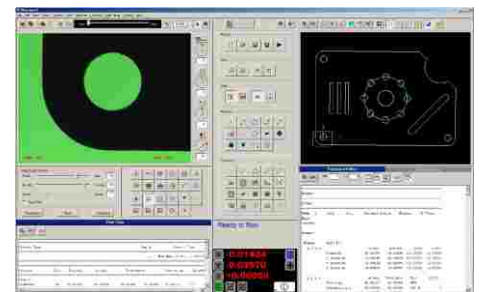
Models	X	Y	Z
SprintMVP 1500	900	1500	200
SprintMVP 1550	1240	1500	200
SprintMVP 1552	1500	1500	200

Features

- Solid granite base
- Motorized zoom lens system, with 35x to 175x magnification
- LED backlight, top light and high intensity ring light standard
- High resolution color camera and motorized zoom optics
- Measure-X® metrology software - easily create and run automatic routines for any part

Software That Makes Measurements Simpler

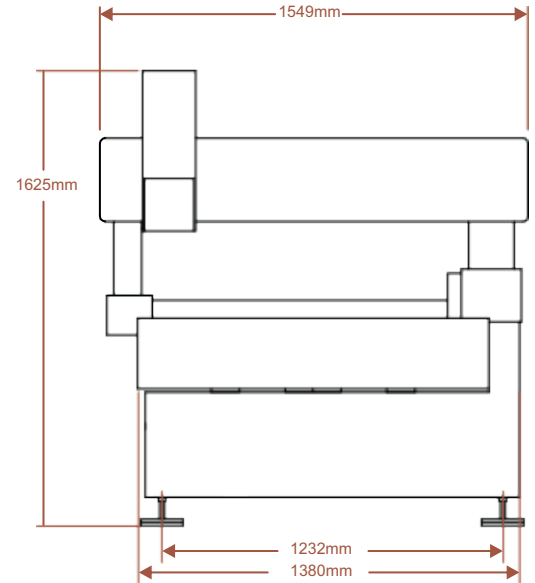
QVI® Measure-X software makes it easy to measure parts or create automatic measurement routines. FeatureFinder® makes it easy to measure any feature in the video window instantly. If CAD files are available, just download the DXF and let Measure-X create the program for you. AutoCorrelate™ lets you stage and measure parts without fixturing.



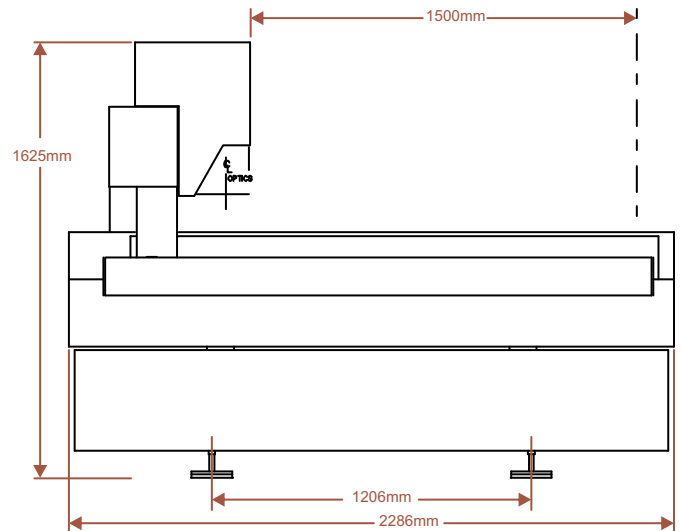
Powerful Measure-X Metrology Software

Measuring Unit	1500	1550	1552
XYZ Travel, mm	900 x 1500 x 200	1240 x 1500 x 200	1500 x 1500 x 200
XYZ Travel, in	35 x 59 x 8	49 x 59 x 8	59 x 59 x 8
System Dimensions, mm (XYZ)	1549 x 2286 x 1625	1905 x 2286 x 1625	2286 x 2286 x 1625
System Dimensions, in (XYZ)	54.5 x 90 x 64	75 x 90 x 64	90 x 90 x 64
System Weight, kg/lbs	2754 / 6071	5453 / 12022	6380 / 14065
Shipping Weight, kg/lbs	3456 / 7620	6253 / 13785	7280 / 16050

Stage	Moving bridge style XYZ sensor transport with dual Y-axis drives & scales. Fixed part observation platform with 100 Kg load capacity.
Extended Travel Options	Y-Axis up to 2000mm
Scale Resolution XYZ (dual On Y)	0.5µm (0.00002")
Optics	6.5:1 motorized zoom lens, working distance of 70mm with standard VectorLight™
Camera	High resolution color camera
Field Of View	8.9mm low mag. to 1.8mm high mag. (diagonal)
Optional Auxiliary Lenses	0.5x, 0.75x, 1.5x, 2.0x
Illumination	LED VectorLight (six rings, seven sectors), LED bac light, LED surface (square-on), optional full LED VectorLight (six rings, eight sectors)
Controller Minimum Specs	Quad-Core processor, 4 GB RAM, 160 GB hard drive, CD-ROM, parallel, serial and USB ports, and Windows™ Operating System
Software	Measure-X® Metrology Software by QVI®, optional SmartReport® powered by QC-CALC™
Temperature	20° ± 1° C (Rated), 15° - 30° C (Safe Operating)
Power	100-240 VAC, 50/60Hz, 1Ø, 700 W
Misc. Options	Motorized rotary indexer; computer workstation stand
Sensor Options	TP20 touch probe, touch probe change rack, and QVI DRS laser
XY Accuracy*	$E_x = (5.0 + 8L/1000) \mu\text{m}$ (SprintMVP 1500) $E_y = (5.5 + 8L/1000) \mu\text{m}$ (SprintMVP 1550) $E_z = (8.5 + 8L/1000) \mu\text{m}$ (SprintMVP 1552)
	$Z^{**} E_z = (4.0 + 8L/1000) \mu\text{m}$ (All Models)



1500 Model Shown



* Where L = Length in mm, with evenly distributed 10 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.

**Z axis artifact: QVI step gage or master gage blocks.