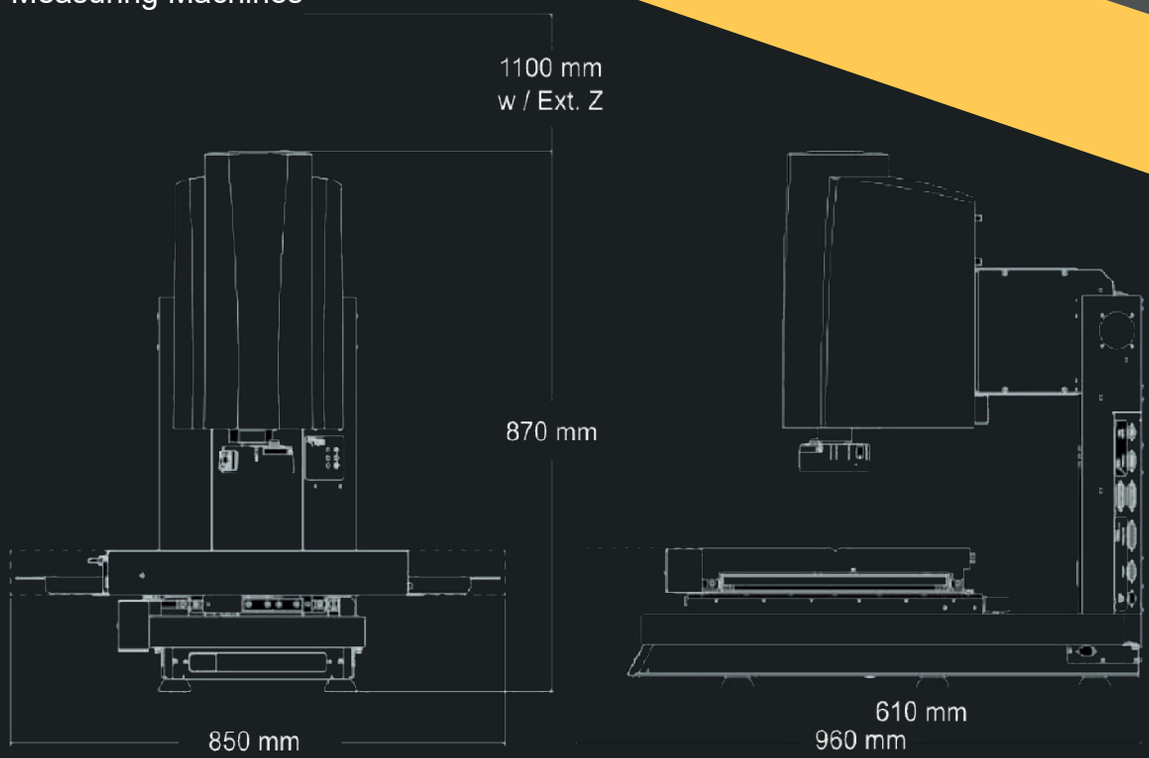
OGP HOMMEL
ITALIA

SprintMVP 250 | 300

SprintMVP benchtop systems offer fully automatic measurement with high performance and affordability. Three benchtop SprintMVP models are available to suit your measurement needs.

- Granite base and column for stability with precision CNC X,Y and Z stages
- 3-axis joystick and CNC motion control
- Motorized zoom lens optics with high resolution digital color camera
- Optional 250mm extended Z axis

Automatic Benchtop Measuring Machines



SprintMVP 300 Model Shown

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Technical data SprintMVP 250 | 300

Models	Standard Measuring Range (mm)		
		X	Y
	250	300	150
	300	300	300

System Weight:

250 Model - 130 kg
300 Model - 180 kg

Shipping Weight:

250 Model - 255 kg
300 Model - 300 kg

		Standard		Optional	
	250	300 x 150 x 150 mm		250 mm Extended Z Axis	
	300	300 x 300 x 150 mm		250 mm Extended Z Axis	
X, Y, Z Scale Resolution		0.5 µm		0.1 µm	
Stage Drive System		Precision, motorized compound XY stage and linear Z stage with 3-axis joystick control			
Max Recommended Stage Load		250 Models - 20 kg 300 Model - 25 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 *Highest available magnification		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		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				Manual or motorized rotary indexer, NIST traceable calibration artifact, dust cover	
Rated Environment		Temperature: 18-22 °C, stable to ±1 °C; Relative Humidity: 30-80%; Vibration: <0.001g below 15 Hz			
Power		100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 500W			
XY Area Accuracy		E_2: (2.5 + 6L/1000) µm			
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 5 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.

QVI ogp

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