

# Galileo® Plus Series Multi-Sensor

AV300+ AV350+ AV230+ AV230micro

## Galileo AV300+

An enhanced version of the popular Galileo AV300 CNC video-based measurement system. The new AV300+ system improves measuring performance by utilizing a precision granite base along with an extended travel Z column, delivering 12" x 6" x 8" (300mm x 150mm x 200mm) X-Y-Z measuring range.

The system is a servo driven motion platform for enhanced performance and includes a 12:1 zoom lens, hi-resolution digital color camera and your choice of fiber optic or LED illumination. Complete with vibration isolation & integrated machine stand, the 300 + delivers more capability for multi-sensor requirements. The AV300 + is powered by QC5300 software to handle a variety of measuring applications.



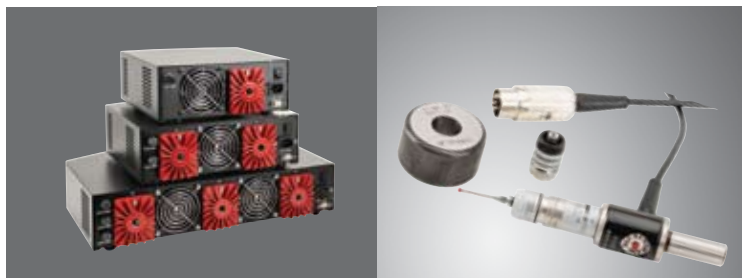
## Galileo AV350+

Offering similar attributes and performance to the AV300+ with an expanded measurement envelope of 14" x 14" x 8" (350mm x 350mm x 200mm) X-Y-Z measuring range for those larger part and payload measurement requirements.



## Q-PLUS Labs

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Fiber Optic Illumination Sources

Renishaw Touch Probe Kit



## Galileo AV230+

A motorized higher accuracy, special purpose, video-based measurement system. Built on a precision granite base with a robust granite Z column structure.

The system has 9" x 6" x 7" (225mm x 150mm x 175mm) X-Y-Z measuring

range and is perfect for those applications requiring the strength and precision of the granite base & column combination.

The AV230+ is ideal for many custom requirements where typical "off-the-shelf" products are not acceptable. Let us help you by designing a system to meet your exacting requirements!



Fiber Optic Ring Light

Glass Calibration Standard



Specifications & Options	AV230+	AV300+	AV350+
Floor-Standing System	X	X	X
X-Y-Z Measuring Range (in)	9" x 6" x 7	12" x 6" x 8**	14" x 14" x 8**
X-Y-Z Measuring Range (mm)	230 x 150 x 175	300 x 150 x 200*	350 x 350 x 200*
X-Y Accuracy (in $\mu$ m)	E2=1.5+5L/1000	E2=1.9+5L/1000	E2=2.5+5L/1000
Z Accuracy (in $\mu$ m)	E1=2.0+5L/1000	E1=2.5+5L/1000	E1=2.5+5L/1000
Multi-Sensor Compatible	X	X	X
Control System/Software (see pgs. 22-23)	QC5300	QC5300	QC5300
Zoom Optics	12.0:1	12.0:1	12.0:1
Digital Video Color Camera	X	X	X
Surface Ring Illumination	LED or Fi-0	LED or Fi-0	LED or Fi-0
Transmitted Illumination	LED or Fi-0	LED or Fi-0	LED or Fi-0
Coaxial Illumination	X	X	X
Dark Field Quadrant Illumination (LED only)	0	0	0
Auxiliary Lenses (Optional)	.5X, 2.0X	.5X, 2.0X	.5X, 2.0X
Microscope Optics	0	0	0
Rotary Table Compatible	0	0	0
Renishaw Touch Probe	0	0	0
Optimet Laser	0	0	0
Workstation	X	X	X
Part Fixturing	0	0	0
Video Pixel Calibration Standard	X	X	X
Calibration Standards	0	0	0

X = Standard Feature, 0 = Option

## AV230micro

The AV230micro is equipped with high-magnification microscope optics in place of a video camera. The rigid, precision granite superstructure of the AV230micro allows for applications that require high magnification levels and specialized microscopy illumination.

