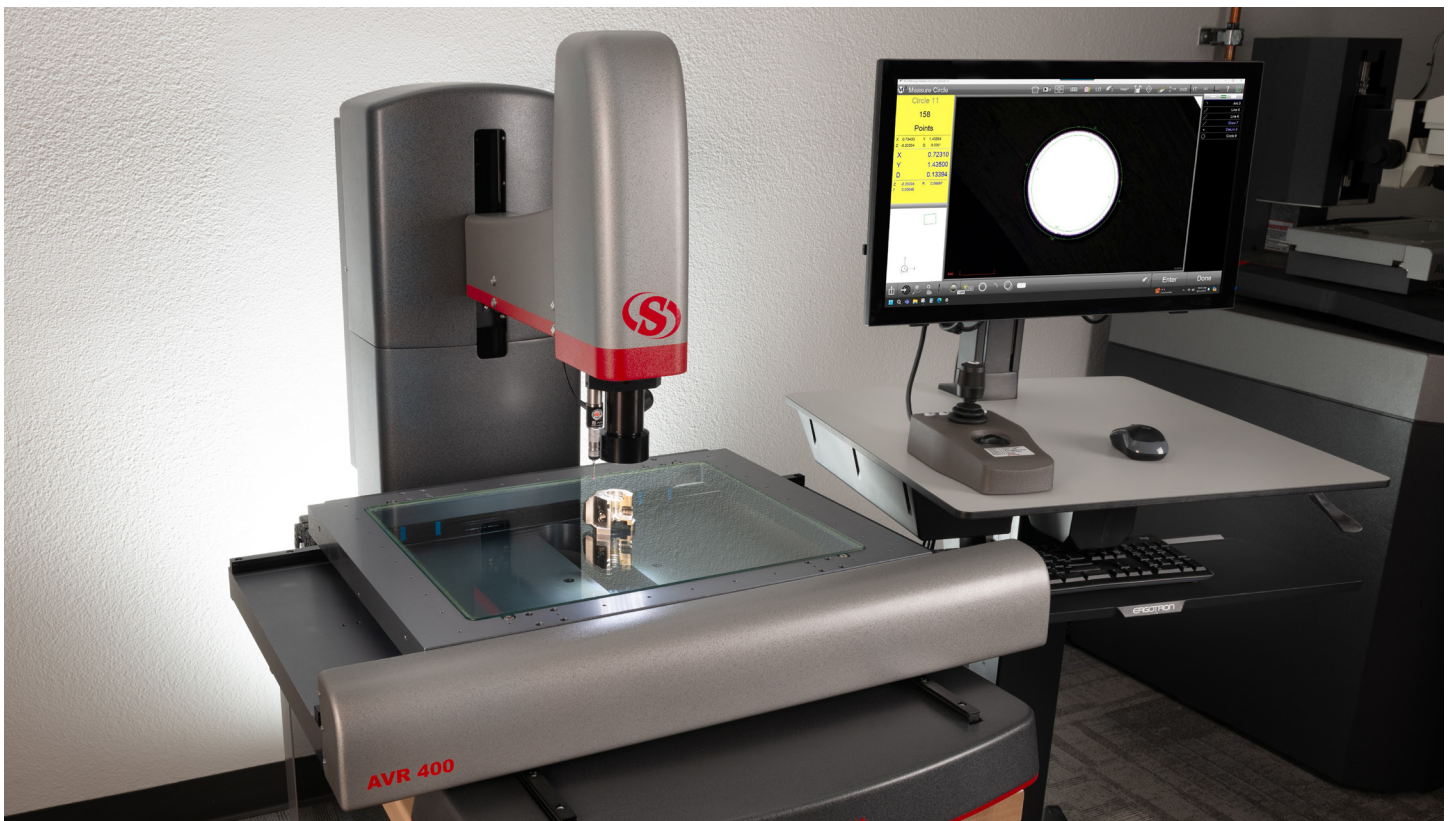


## AVR400 VISION SYSTEM

NEW

### AVR400 CNC VISION METROLOGY SYSTEM

A Fast and Accurate Large Platform Benchtop Vision System



The AVR400 CNC Vision system is an update to the existing AVR series of benchtop Vision systems. With a stage travel of 400mm x 300mm x 200mm (15.8" x 11.8" x 7.9") in the XYZ axes, this is the largest benchtop platform to date from Starrett®. Stage travel speed has also doubled from previous editions, with a travel speed capability of up to 120mm/sec. Coupled with existing CNC capabilities of the AVR line as well as the complete line of zoom and telecentric lens options, the AVR400 gives users the option to measure a broad range of part sizes, or larger runs of multiple parts, while simultaneously reducing inspection time. All without having to compromise accuracy.

#### FEATURES

- Full CNC XYZ positioning or motorized manual positioning using a pendant with joystick and track ball
- MetLogix™ M3 software
- Video Edge Detection
- Pattern recognition capability for automated inspection
- Color digital video camera
- Touch probe compatible for optional multisensor capability
- LED substage and ring light illumination
- Granite base
- Extensive line of compatible accessories

## AVR400 SERIES

NEW

### AVR400 OPTICS

Optical Parameters	Telecentric Optics						Zoom Optics 12:1
	0.3x	0.5x	0.8x	1.0x	2.0x	4.0x	
Optical magnification on CCD	0.3X	0.5X	0.8X	1.0X	2.0X	4.0X	0.4X to 4.7X
Total magnification on monitor	13X	22X	36X	45X	89X	178X	26X to 310X
Field of view width	0.93" (24mm)	0.55" (14mm)	0.35" (8.9mm)	0.27" (7mm)	0.14" (3.5mm)	0.07" (1.8mm)	0.47" to 0.04" (12mm to 1mm)
Field of view height	0.76" (19mm)	0.45" (11mm)	0.29" (7.4mm)	0.22" (5.6mm)	0.12" (3mm)	0.05" (1.5mm)	0.39" to 0.03" (10mm to 0.76mm)
Working distance	4.3" (110mm)	4.3" (110mm)	4.3" (110mm)	4.3" (110mm)	4.3" (110mm)	4.3" (110mm)	3.47" (88mm)
Camera CCD	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/3" (1.3MP)

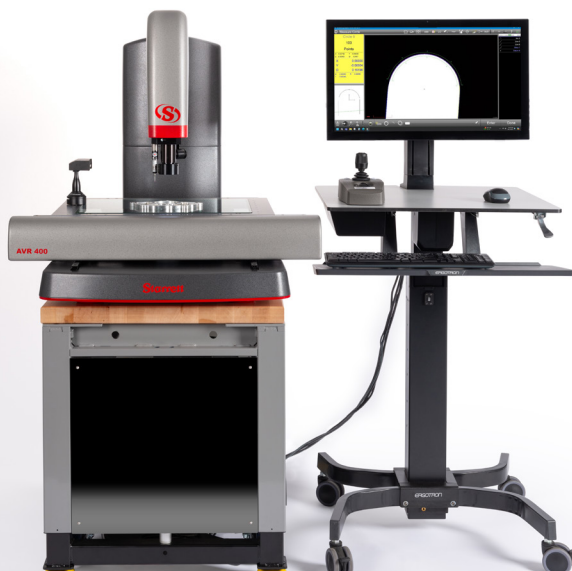
### OPERATOR INTERFACE

Feature	AVR400
24" (60cm) color graphic touch screen monitor and PC	X
Integrated motion control unit	X
Windows®-based operating system	X
Wi-Fi network connectivity	X
Video edge detection	X
X-Y-Z measurements*	X
2D geometric constructs plus height	X
FOV measurements integrated with X-Y stage motion	X
CAD file import and export	X
Automatic comparison of measurements to CAD files**	X
Software developer	MetLogix™

\*\*Only available when equipped with M3 Digital Comparator module in FOV models.

### SPECIFICATIONS

Feature	AVR400
Net Weight	330lbs (150kg)
Stage Size	23" x 17.5" (584mm x 444mm)
Dimensions (H x W x D)	36" x 40" x 44" (914mm x 1016mm x 1117mm)
X-Y-Z Travel*	400mm x 300mm x 200mm (15.8" x 11.8" x 7.9")
X-Y Accuracy**	2.5µm + L/200
Z Accuracy*	2.5µm + L/200



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