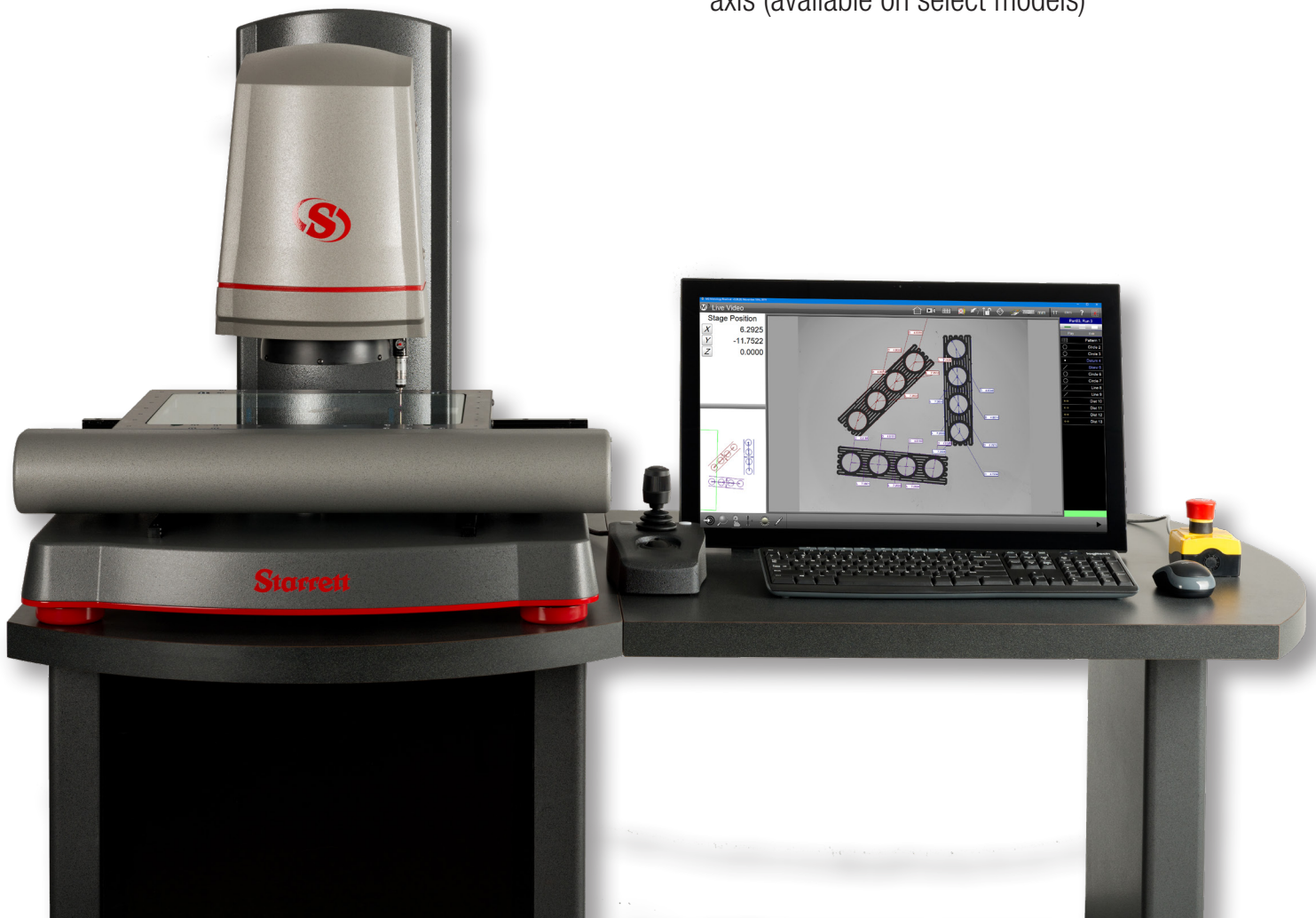


AVR-FOV 0.14

AVR-FOV 0.14 CNC AUTOMATIC VISION METROLOGY SYSTEM

Accurate, Flexible & Ideal for Large Platform Measurement

- Ideal for repetitive measurements and automatic comparison to CAD files
- Dedicated 0.14x telecentric optics
- Metlogix™ M3 software with Superimage technology and user friendly part recognition programming
- Full CNC X-Y-Z positioning or motorized manual positioning using a pendant with joystick and trackball
- Video edge detection (VED)
- Field-of-view (FOV) measurements integrated with stage motion
- Renishaw scales for 4µin (0.1µm) of X,Y and Z axis (available on select models)



AVR-FOV 0.14

FEATURES

- X-Y travel for AVR-FOV 0.14: 12" x 8" (300mm x 200mm)
- Z travel: 8" (200 mm)
- Full CNC X-Y-Z positioning or motorized manual positioning using a pendant with joy stick and trackball
- Windows® Professional operating system for network connectivity
- MetLogix M3 CNC metrology software
- Video edge detection (VED)
- Field-of-view (FOV) measurements integrated with stage motion
- Renishaw scales for 4µin (0.1 µm) of X,Y and Z axis (available on select models)
- Accuracy: 3.0µm + 5L/1000 for X and Y, 3.5µm+5L/1000 for Z
- Monochrome digital video camera
- Collimated LED sub-stage illumination
- Dome light LED surface illumination
- Granite base
- H x W x D for AVR300: 34" x 29.2" x 33.5" (865mm x 740mm x 850 mm)

OPTIONS

- DXF/FOV option pack for automatic comparison to CAD designs
- Modular system workstation
- Renishaw touch probe kit
- Part fixtures and work holding devices
- Calibration standards

OPERATOR INTERFACE

Feature	M3 DXF/FOV Software
24" (60cm) color graphic touch-screen monitor and PC	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™

AVR OPTICS

Optical Parameters	AVR-FOV 0.14 Zoom Optics
Optical magnification on CCD	0.14x
Total magnification on monitor	4.7x
Field of view width	2.36" fov(60mm)
Working distance	4.3" (110mm)
Camera CCD	1-1/8"



Starrett Metrology Systems Division
 Starrett Kinematic Engineering, Inc.
 26052 Merit Circle, #103
 Laguna Hills, CA 92653
 (949) 348-1213 | www.starrett.com

