

Starrett®

Precision, Quality, Innovation

METROLOGY SYSTEMS

THE AVX-550

Vision Systems

Vision Inspection Systems

Optical Comparators

Software



AUTOMATIC VISION METROLOGY SYSTEMS

AVX-550

The NEW Starrett AVX550 Multi-Sensor Vision System delivers accurate, fast and flexible measurement solutions, ideal for large platform measurements uses in quality control labs in research engineering and manufacturing inspection processes.

With our largest work platform yet, the AVX has an innovative dual camera optical feature that allows users to inspect multiple part at a variety of magnification without the need to change lens or re-calibrate. This New Multi Measure Vision System by Starrett operates with user friendly Metlogix software and is available with video edge detection, auto part recognition and touch probe options.

The AVX is our most versatile, high performance platform available from the Starrett Vision Range.

OPERATOR INTERFACE

Feature.	M3 DXF/FOV Software
24" (60cm) colour graphic touch screen monitor and PC	X
Windows based operation system	X
Wi-Fi Network connectivity	X
Video Edge Detection	X
X-Y-Z Measurement	X
2D Geometric constructions 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





FEATURES AND SPECIFICATIONS

- Large Format X-Y-Z Travel: (550mm-400mm-250mm)
- Choice of Dual Camera Input allowing for measurement on macro and micro levels.
- Modular granite structure provides superior machine stability and precision.
- Metlogix M3 Software
- CAD File Import and Export
- 24" touch-screen PC
- Video Edge Detection
- Field of View Measurement integrated with stage motion.
- Automatic Part Recognition
- LED Surface Ring Illumination
- LED Transmitted Illumination
- LED Coaxial Illumination
- Integrated Motion Control Unit
- Digital Video Camera: 1.2MP, 1/3" SXVGA Sensor
- Accuracy 2.5 +/- 5L/1000

OPTIONS

- Adjustable Ergonomic Work Station, Including Compact Control Panel
- CNC Rotary Axis Fixtures
- Renishaw Touch Probe Kits and Changing Racks
- Calibration Standards, Parts Fixtures and Work Holding Devices
- Choice of 14x-4x telecentric optics
- Bayonet lens system



AVX OPTICS

Optical Parameters	AVX Series Telecentric Options	AVX Series Dedicated 12:1 Zoom optics
Optical Magnification on CCD	0.14x-4x	0.4x to 4.7x
Total Magnification on Monitor	4.7x-137x	26x to 310x
Field of View Width	60mm to 2.1mm	12mm to 1mm
Working Distance	110mm	88mm
Camera CCD	1/1.8"	1/3"

Height - Width - Depth: 75" - 40.4" - 41.3" (1980mm - 1025mm - 1050mm)

Width - Depth for cart - 26" - 26" (660mm - 660mm)

STARRETT PRODUCT LINES

Band Saw Blades

Force Measurement

Material Test

Jobsite & Workshop Tools

Laser Measurement

Metrology Equipment

Precision Granite

Precision Ground Solutions

Precision Measuring Tools

PTA & Hand Tools

Roundness Measurement

Service

Webber Gage Blocks

METROLOGY SYSTEMS



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