

AVX550

AVX CNC AUTOMATIC VISION METROLOGY SYSTEM

Accurate, Flexible & Ideal for Large Platform Measurement

- Dual camera inputs allows users to inspect parts at multiple levels without changing lenses or re-calibrating
- Large format platform stage: 22" x 16" x 10" (550mm x 400mm x 250mm)
- Metlogix™ M3 software with video edge detection is extremely user friendly and intuitive
- LED lighting
- 24" touchscreen monitor and PC
- Dedicated 12:1 zoom optics
- Choice of 0.14x-4x telecentric optics
- Linear guide X-Y transport for ultra smooth, high speed positioning
- Ideal for use in QC labs, research, engineering, or manufacturing environments where large parts with intricate features need inspection



AVX550

FEATURES

- Large Format X-Y-Z Travel:
22" x 16" x 10" (550mm x 400mm x 250mm)
- Choice of dual camera inputs allowing for measurement on macro and micro levels
- Granite base provides superior machine stability and precision
- Metlogix™ M3 software
- 24" touchscreen PC
- LED surface ring illumination
- LED transmitted illumination
- LED coaxial illumination
- Integrated motion control unit
- Video edge detection (VED)
- Field of view (FOV) measurements integrated with stage motion
- Digital video camera: 1.2 MP, 1/3" SXVGA sensor
- H x W x D for AVX: 78" x 40.4" x 41.3"
(1980mm x 1025mm x 1050mm)
- W x D for cart: 26" x 26" (660mm x 660mm)

OPTIONS

- Adjustable ergonomic work station including a compact control panel
- CNC rotary axis fixtures
- Renishaw touch probe kits and changing racks
- Calibration standards
- Part fixtures and work holding devices

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™

AVX OPTICS

Optical Parameters	AVX- Series Telecentric Optics	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	2.36" to 0.08" (60mm to 2.1mm)	0.47" to 0.04" (12mm to 1mm)
Working distance	4.3" (110mm)	3.47" (88mm)
Camera CCD	1-1/8"	1/3"



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