

NEW

## LARGE FORMAT AVX

Our AVX machines offer a larger format X-Y-Z travel: 22" x 16" x 10" (550mm x 400mm x 250mm). New to the AVX is the option to configure dual camera inputs, allowing the user to make measurements on both the macro and micro levels with one system without changing lenses or re-calibrating. Ideal for use in QC labs, research, engineering, or manufacturing environments where large parts with many intricate features need inspection. AVX models utilize linear guide X-Y transport for ultra-smooth, high speed positioning and are driven by precision lead screws and servo motors.

## FEATURES AND SPECIFICATIONS

- Transports are driven by hi-speed, low maintenance, precision mechanical linear bearings.
- Substantial granite base and bridge for superior machine stability and precision
- MetLogix™ M3 Software
- 24" touchscreen PC
- LED Surface Ring Illumination
- LED Transmitted Illumination
- LED Coaxial Illumination
- Digital Video Color Camera: 1.3 MP, 1/3" SXVGA sensor

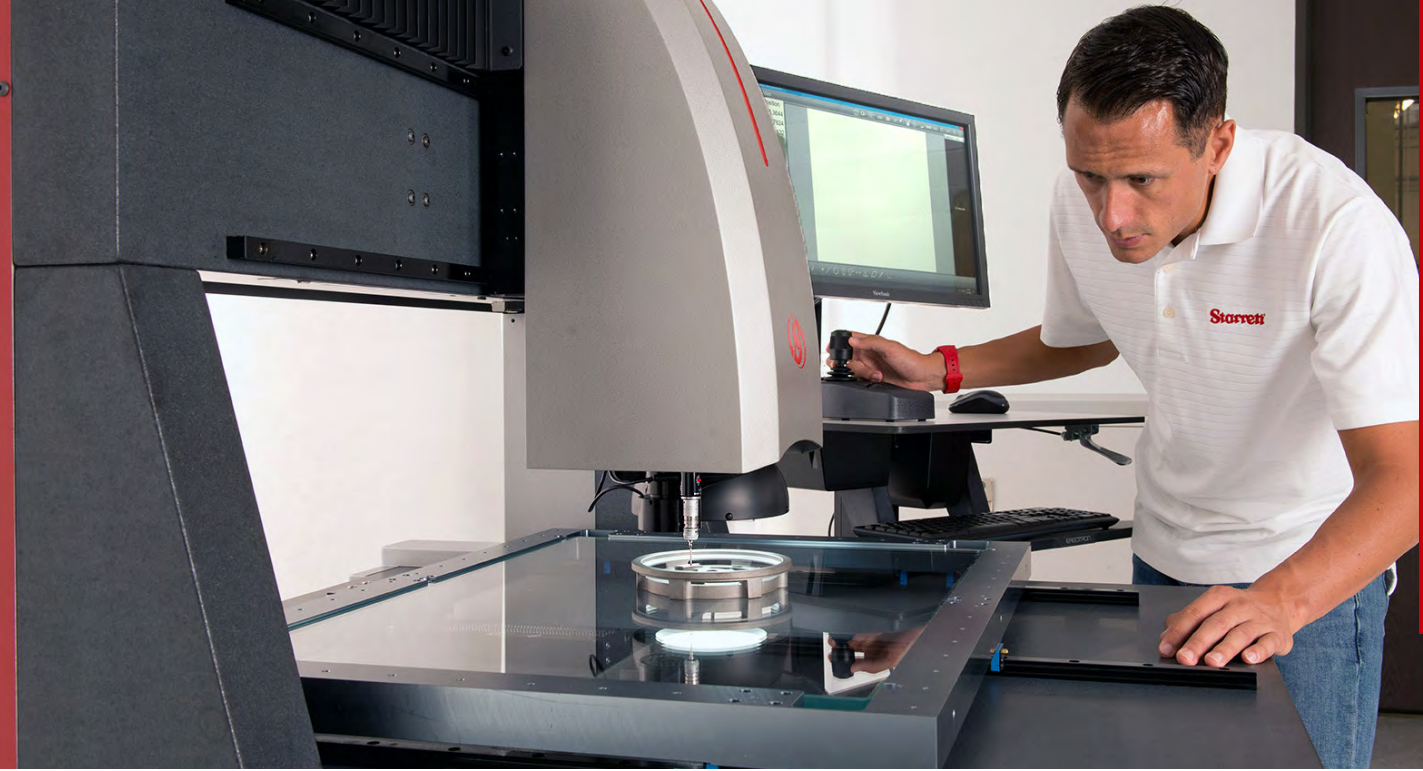
## OPTIONS

- Choice of dual camera inputs
- Dedicated 12:1 CNC zoom optics
- 0.5x, 1.5x and 2.0x auxiliary lenses for zoom optics
- Quadrant LED surface illumination
- DXF/FOV option for automatic comparison to CAD designs
- Adjustable ergonomic workstation including a compact control panel and standard keyboard
- CNC rotary axis fixture
- Renishaw touch probe kit
- Renishaw probe changing rack
- Calibration standards
- Part fixtures and work holding devices



AVX550





AVX OPTICS

System Parameter	Telecentric Lenses							AVX
								Dedicated 12:1 Zoom Optics
Optical magnification	0.14x	0.30x	0.50x	0.80x	1.0x	2.0x	4.0x	0.4x to 4.7x
Magnification on 24" monitor	4.7x	10x	16.4x	27x	33x	69x	137x	26x to 310x
Field of view width	2.36" (60mm)	1.1" (28mm)	0.67" (17mm)	0.41" (10.5mm)	0.33" (8.4mm)	0.16" (4.2mm)	0.08" (2.1mm)	0.47" to 0.04" (12mm to 1mm)
Field of view height	2.0" (51mm)	0.94" (24mm)	0.56" (14mm)	0.35" (8.9mm)	0.28" (7.1mm)	0.14" (3.7mm)	0.07" (1.8mm)	3.47" (88mm)
Working distance	4.3" (110mm)	4.3" (110mm)	4.3" (110mm)	4.3" (110mm)	4.3" (110mm)	4.3" (110mm)	4.3" (110mm)	1/3"

OPERATOR INTERFACE

Feature	All-in-One PC with M3 DXF/FOV Software
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™

\*X-Y-Z measurements only available when configured with 3-axis option.

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

SPECIFICATIONS

	AVX
Net Weight	1360lbs (617kg)
Shipping Weight	1720lbs (782kg)
Cart Weight	91lbs (41.3 kg)
Dimensions (H x W x D)	78" x 40.4" x 41.3" (1980mm x 1025mm x 1050mm)
X-Y-Z Travel	22" x 16" x 10" (550mm x 400mm x 250mm)
X-Y Accuracy	E2 = 2.5µm + 5L/1000
Z Accuracy	E1 = 2.5µm + 5L/1000

AVX DIMENSIONS

