

Large Format Premier Vision Line

Exceptional Speed & Accuracy

The Large Format Premier

Measurement Systems range from 12" (305mm) to 50" (1273mm) of X-Y travel and have 8" (200mm) of Z travel. This multi-sensor floor-standing metrology instrument has increased accuracy to verify critical dimensions. They are ideal for use in QC labs, research, engineering or manufacturing environments.

Features

- Transports are driven by hi-speed (up to 30" per second), zero maintenance, balanced linear motors which are close-looped to precision hi-resolution scales in all three axes
- Adjustable ergonomic workstation including a compact control panel and standard keyboard maximizes operator performance
- Massive granite base, bridge and air-bearing ways for superior machine stability and precision
- Large Flat panel LCD video display
- Metronics QC5300 metrology software standard
- Available with optional Renishaw contact probe and laser scanner, these systems can be configured to meet a variety of measurement needs
- Also available with optional touch probe spotter camera for viewing critical placement of touch probe points as well as a touch probe changing rack
- QC5300 Software
- LED Surface Ring Illumination
- LED Transmitted Illumination
- Coaxial Illumination
- Digital Video Color Camera
- Workstation
- Video Pixel Calibration Standard



All Models	
Accuracy	(X-Y) E2=1.5+5L/1000; (Z) E1=1.5+5L/1000
Encoder Resolution	4µin (0.1µm)
Video Camera	Color 1/2" CCD
Optics	Navitar® 12:1 ratio zoom: (1.0X lens standard)
Utilities Environment	67°-69°F (20° ±0.5°C) temperature range. 0.5°F (0.25°C)/hr maximum rate of change. 30%-80% RH non-condensing
Utilities	115/230 VAC, 50/60 Hz, single phase, 1.0 kW. 85 L/m (3 CFM) dry air at 100-120 PSI (7 to 8.25 bar)
Dark Field Quadrant Illumination (LED only)	Optional
Auxiliary Lenses	Optional - .5X, 2.0X
Microscope Optics	Optional
Renishaw Touch Probe	Optional
Optimet Laser	Optional
Part Fixturing	Optional
Calibration Standards	Optional

Model	LF313	LF463	LF713	LF963	LF1273	
X-Y Travel	12" x 12" (305mm x 305mm)	18" x 12" (460mm x 305mm)	28" x 24" (711mm x 610mm)	38" x 30" (965mm x 760mm)	50" x 36" (1270mm x 915mm)	
Z Travel	8" (200mm)	8" (200mm)	8" (200mm)	8" (200mm)	8" (200mm)	
Dimensions (W x D x H)	34" x 40" x 68" (87 x 102 x 173cm)	40" x 40" x 68" (102 x 102 x 173cm)	50" x 64" x 68" (127 x 163 x 173cm)	69" x 80" x 71" (176 x 204 x 180cm)	85" x 93" x 71" (217 x 235 x 180cm)	
Weight	gross	1950lb (885kg)	2300lb (1043kg)	3600lb (1630kg)	4600lb (2087kg)	6600lb (2994kg)
	net	1300lb (590kg)	1500lb (726kg)	2700lb (1225kg)	3500lb (1588kg)	5400lb (2450kg)