



HORIZONTAL FLOOR STANDING OPTICAL COMPARATOR

HF600

Well known throughout the world for superior value and exceptional measuring performance across the full measuring range and at all magnifications, the HF600 sets the standard in all applications from the QC lab to the production floor. The HF600 comparator has a four-position lens turret for instant selection of optional magnification lenses. Inserting the optional OV2 or TOV2 Video Camera System converts the comparator into a video metrology system. Ideal for use over a broad spectrum of industries and applications, the HF600 is designed and built to satisfy the requirements of measuring small to large work pieces with total precision, ruggedness, and efficiency. The HF600 utilizes 2D measurement software for geometries like diameters, radius, angles, lines, points, and for skew correction. Advanced software can also provide many tools such as CAD file import, CAD data export for reverse engineering, standard and custom reports, and Ethernet networking.

OPERATOR INTERFACE

Feature	MetLogix™ M2	M3	Quadra-Chek® QC221	QC5200*
Mounted to comparator arm	x		x	
Color graphics	x	x		x
Touch screen operation	x	x		
Operating system	Windows®	Windows®		
X-Y-Q axis digital readout	x	x	x	x
2D geometry software with skew	x	x	x	x
Optical edge detection option	x	x	x	x
Video edge detection option		x		x
CAD file import and export option		x		x
CNC drive option	x		x	x
Software developer	MetLogix™	MetLogix™	Metronics/Heidenhain	Metronics/Heidenhain

*Available with either optical edge detection or video edge detection



SPECIFICATIONS

HF600	
Horizontal Travel	12" (300mm)
Vertical Travel	8" (200mm)
Focus Travel	3" (75mm)
Top Plate*	25 x 9" (635 x 230mm)
Image	Erect and reversed

*With machined slots for easy fixturing



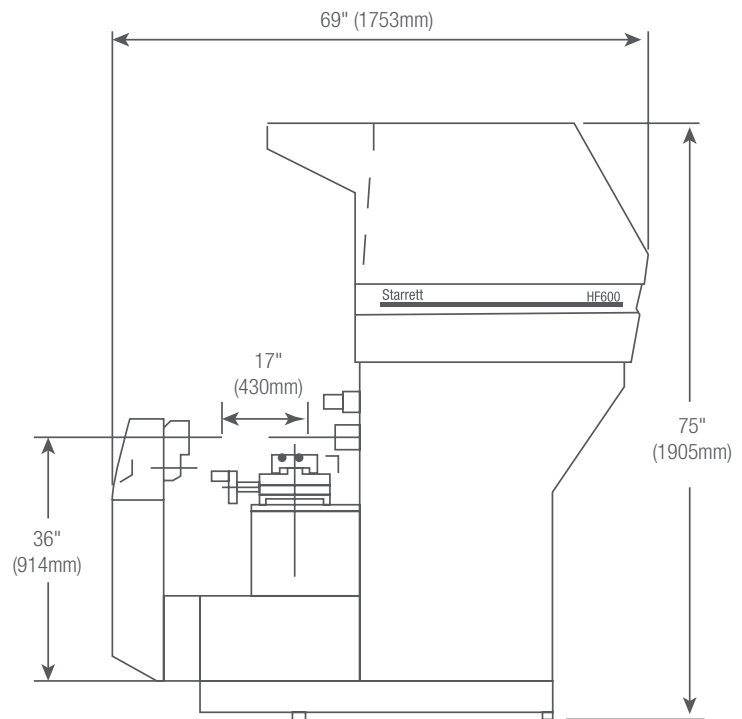
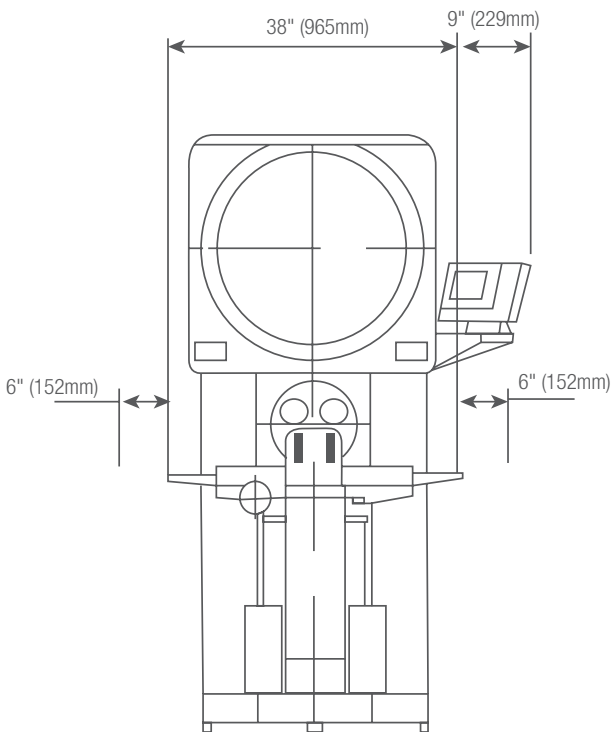
FEATURES AND SPECIFICATIONS

- All metal construction with nickel plated stage tooling plate
- 24" (600mm) diameter screen with precision cross lines and overlay clips
- Motorized X and Y axes standard
- Two-axis power drive via joystick and variable speed control for fine adjustment
- Projection lens turret with four lens capacity (lenses not included)
- Turret mounted condenser system and yellow/green filter and provision to mount further accessories
- Stage Weight Capacity: 330lbs (150kg) (evenly distributed)
- Workstage capacity between centers: 17.5" (440mm)
- Fully retractable duplex fiber optic surface illumination
- 0.001mm resolution Heidenhain linear scales
- Screen driven rotary Q-axis with 1' resolution
- Available with MetLogix™ M1 tablet, M2 or M3 measuring software with touch screen and PC, or Quadra-Chek® digital readout systems
- Complete with full canopy and curtains

OPTIONS

- Six interchangeable lens magnification including 10x, 20x, 25x, 31.25x, 50x and 100x
- Optional 5x fixed or 5x interchangeable on a 3-lens turret available by special order
- Interchangeable OV2 video camera system with a 6.5:1 zoom lens
- Interchangeable TOV2 telecentric video camera systems with choice of 0.16x, 0.3x or 0.5x fixed magnification lenses
- Extended Stage Travel: 20" (500mm) X-axis; 8" (200mm) Y-axis
- Fully automatic CNC controls
- Automatic Optical Edge Detection
- Automatic Video Edge Detection available only with OV2 and TOV2 video camera systems
- Swing-away lamp house
- Extensive line of accessories

HF600 DIMENSIONS



WEIGHT AND DIMENSIONS

	HF600
Net Weight	1340lbs 610kg
Shipping Weight	1500lbs 680kg
Crated Dimensions	81 x 49 x 89" 206 x 125 x 226cm

