

Starrett®

Precision, Quality, Innovation

METROLOGY SYSTEMS

THE HF600

Vision Systems

Vision Inspection Systems

Optical Comparators

Software



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 optical OV2 Video Adapter in place of a projection lens 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™		Quadra-Chek®	
	M2	M3	QC221	QC5200*
Mounted to comparator arm	x		x	
Color graphics	x	x		x
Touch screen operation	x	x		
MS Windows® operating system	x	x		
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	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

Starrett®



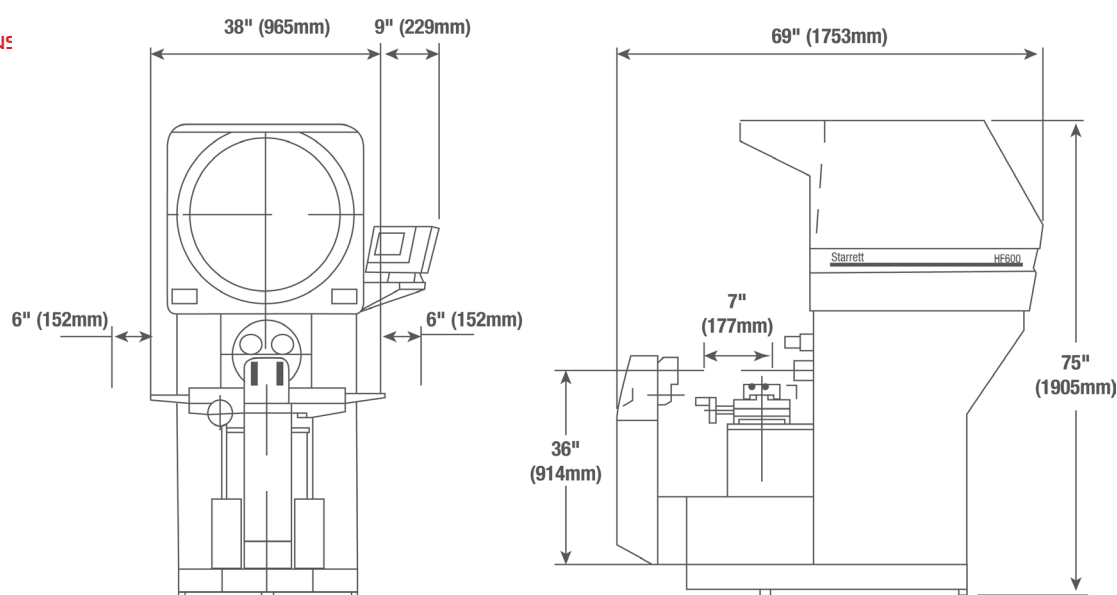
FEATURES AND SPECIFICATIONS

- All metal construction with nickel plated stage tooling plate
- 24" (600mm) diameter screen
- Motorized X and Y axes standard
- Two-axis power drive via joystick and variable speed control for fine adjust
- Projection lens turret with four lens capacity (lenses not included)
- Turret mounted condenser system with yellow/green filter and provision to mount further accessories
- Linear encoder (glass scale) on both X and Y axes
- Halogen profile and surface illumination
- Digital protractor for accurate angle measurements (1' resolution) via Q-axis readout
- Available with MetLogix™ M1 tablet, M2 PC-based touch screen measuring software or Quadra-Chek® digital readout system

OPTIONS

- Six interchangeable fixed magnification lenses including 10x, 20x, 25x, 31.25x, 50x and 100x
- Optional 5x fixed lens system available by special order
- Optional extended travel stage 20" x 8" (500 x 200mm) with 32" x 8" (800 x 200mm) top plate
- Automatic optical edge detection
- Automatic video edge detection (available only with OV2 and TOV2 video cameras)
- OV2 Video Camera with 6.5:1 zoom lens
- TOV2 Telecentric Video Camera with choice of 0.16x, 0.3x, or 0.5x fixed magnification lens
- Fully automatic CNC controls
- Swing-away lamp house
- Extensive line of accessories
- Full canopy and curtains

HF600 DIMENSIONS:



WEIGHT AND DIMENSIONS

	HF600
Net Weight	1340lbs 610kg
Gross Weight	1500lbs 680kg
Crated Dimensions	77" x 46" x 83" 196 x 117 x 210cm

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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