

Starrett®

Precision, Quality, Innovation

METROLOGY SYSTEMS

THE HS600

Vision Systems

Vision Inspection Systems

Optical Comparators

Software



SIDE BED OPTICAL COMPARATORS

HS600

The HS600 floor-standing horizontal optical comparator has all the same features as the HF600, except it has the screen position set to the side of the workstage area allowing close, comfortable and unrestricted access to the viewing and control area. A time tested, cost-effective solution for non-contact measurement. At the heart of these systems are precision optics, superb lighting, and a highly accurate workstage that combine to ensure bright, sharp images and exceptional accuracy. The HS600 is simple to use, yet has excellent capacity and performance to satisfy an exceptionally wide range of dimensional inspection applications and complex measuring requirements.

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		x
MS Windows® operating system	x	x		
X-Y-Q axis digital readout	x	x	x	x
X-Y axis digital readout				
2D geometry software with skew	x	x	x	x
Optical edge detection option	x	x	x	x
Video edge detection		x		x
CAD file import and export option		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



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SPECIFICATIONS

HF750	
Horizontal Travel	12" (300mm)
Vertical Travel	8" (200mm)
Focus Travel	3" (75mm)
Top Plate	25" x 9" (635 x 230mm)
Image	Erect and reversed

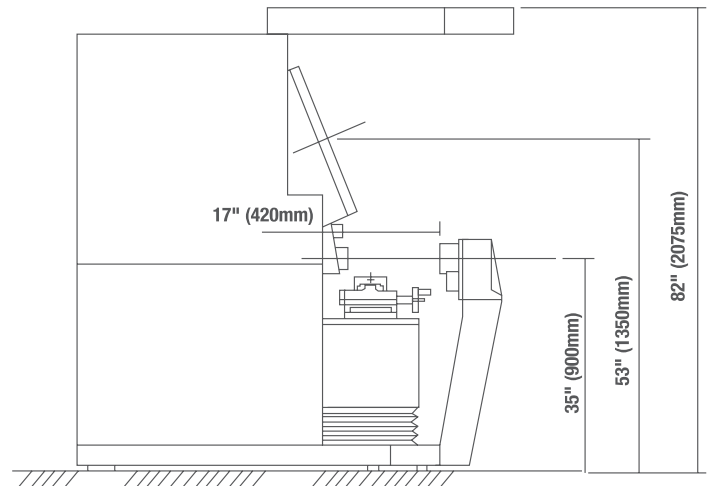
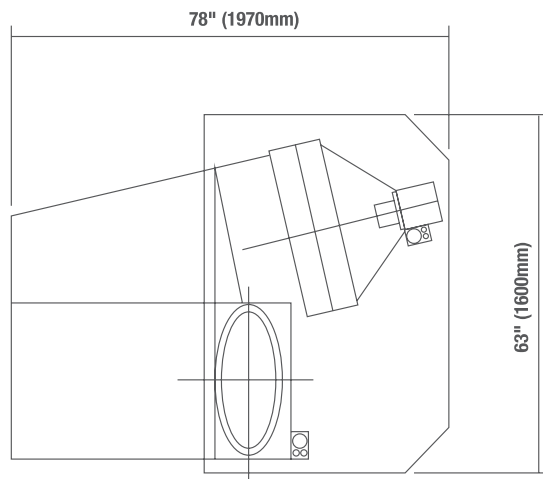
FEATURES AND SPECIFICATIONS

- Accommodates components up to 330lbs (150kg)
- 24" (600mm) diameter screen
- Motorized X and Y axes standard
- Projection lens turret with four lens capacity (lenses not included)
- Turret mounted condenser system complete with two lenses and yellow/green filter with 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™ M2 and M3 PC-based touch screen measuring software or Quadra-Chek® digital readout systems
- Two-axis power drive via joystick and variable speed control for fine adjust

OPTIONS

- Choice of six fixed magnification lenses including 10x, 20x, 25x, 31.25x, 50x and 100x
- OV2 video zoom lens
- TOV2 Video Lens Assembly with choice of 0.16x, 0.3x or 0.5x fixed magnification lenses
- Automatic optical edge detection
- Automatic video edge detection (available with OV2 or TOV2 video cameras)
- Fully automatic CNC controls
- Full canopy and curtains

HS600 DIMENSIONS



WEIGHT AND DIMENSIONS

	HS600
Gross Weight	2646lbs 1200kg
Net Weight	2315lbs 1050kg
Dimensions (boxed)	83" x 89" x 93" 210 x 255 x 235cm

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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