

Starrett®

Precision, Quality, Innovation

METROLOGY SYSTEMS

THE HS750

Vision Systems

Vision Inspection Systems

Optical Comparators

Software



SIDE BED OPTICAL COMPARATORS

HS750

The HS750 floor-standing horizontal optical comparator has all the same features as the HF750 except that 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. 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. A time tested, cost-effective solution for non-contact measurement, the HS750 is simple to use, yet offers excellent capacity and performance to satisfy an exceptionally wide range of dimensional inspection applications and complex measuring requirements.

OPERATOR INTERFACE

Feature	MetLogix™ M2	M3	Quadra-Chek® QC221	QC5200*
Mounted to comparator arm	x	x	x	
Color graphics	x	x		x
Touch screen operation	x	x		
MS Windows® operating system	x	x		
X-Y-Z 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		
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

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

*With machined slots for easy fixturing

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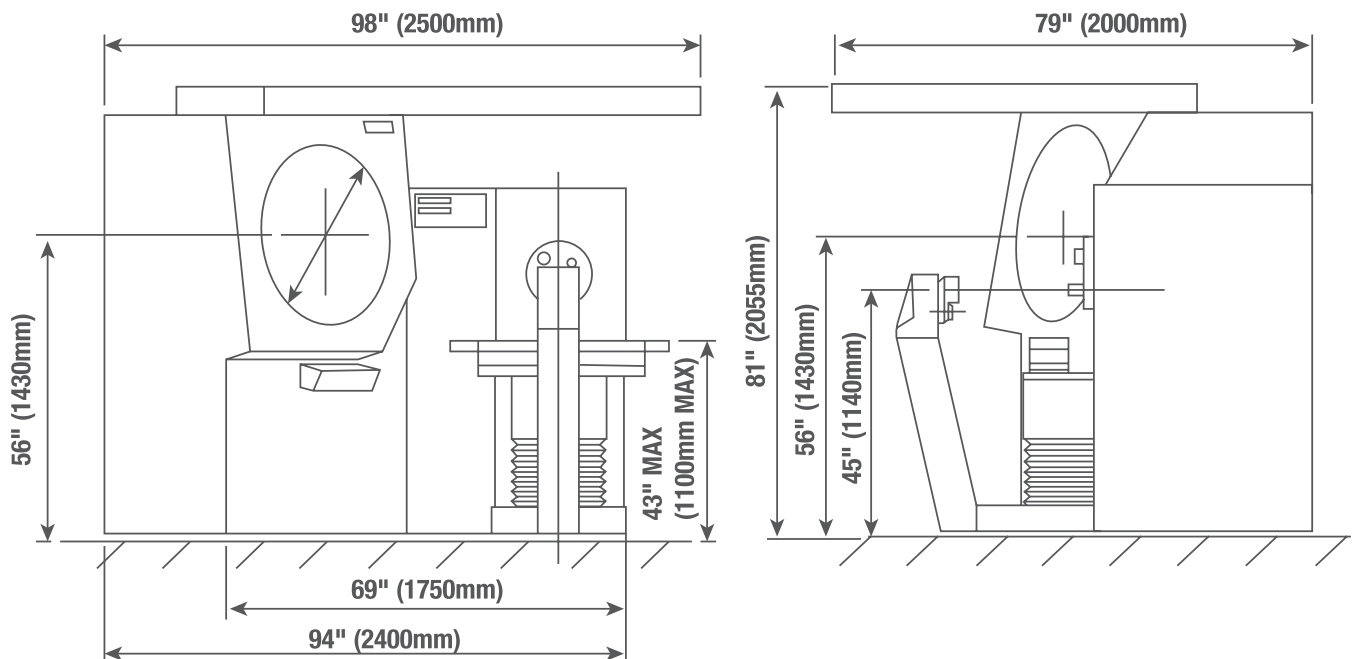
FEATURES AND SPECIFICATIONS

- All metal construction
- Large 30" (750mm) diameter screen provides extensive field of view giving the user more component detail on the screen
- Side-bed design gives the operator uninterrupted access to the screen and working area
- Motorized X and Y axes standard
- Linear encoder (glass scale) on both X and Y axes
- Projection lens turret with three lens capacity (lenses not included)
- Turret mounted condenser system with yellow/green filter and provision to mount further accessories
- Halogen profile and surface illumination
- Digital protractor for accurate angle measurements (1' resolution) via Q-axis readout
- Available with MetLogix™ M2 or M3 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
- 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 or 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

HS750 DIMENSIONS



WEIGHT AND DIMENSIONS

HS750	
Gross Weight	3307lbs 1500kg
Net Weight	2932lbs 1330kg
Dimensions (boxed)	117" x 89" x 93" 297 x 225 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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