

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
Operating system	Windows®	Windows®		
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 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



HS600

SPECIFICATIONS

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

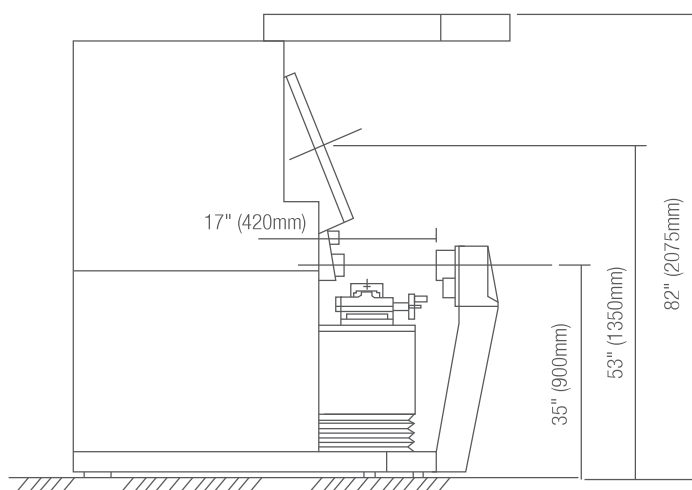
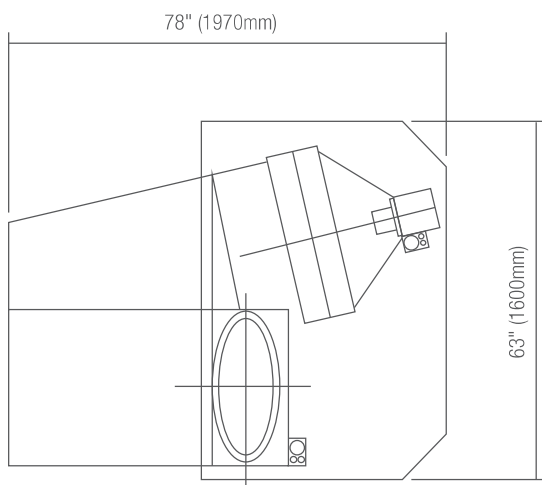
FEATURES AND SPECIFICATIONS

- 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/gree 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
- Halogen profile and surface illumination
- 0.001mm resolution Heidenhain linear scales
- Screen driven rotary Q-axis with 1' resolution
- Available with MetLogix™ 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 magnifications 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 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
- Extensive line of accessories

HS600 DIMENSIONS



WEIGHT AND DIMENSIONS

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