

Starrett®

Precision, Quality, Innovation

METROLOGY SYSTEMS

THE HF750

Vision Systems

Vision Inspection Systems

Optical Comparators

Software



HORIZONTAL FLOOR STANDING OPTICAL COMPARATOR

HF750

Utilizing the same exemplary build standards as the HF600, the HF750 super capacity optical comparator delivers benefits from an even larger 30" (762mm) screen, setting a new standard for clarity and brightness. Ideal for use over a broad spectrum of industries and applications, the HF750 is designed and built to satisfy the requirements of measuring small to large work pieces with total precision, ruggedness, and efficiency. The geometric software measures diameter, radius, angle, line and point features, plus part skewing for faster setup. The HF750 is available with optical edge detection or video edge detection with advanced software and OV2 or TOV2 camera options.

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		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

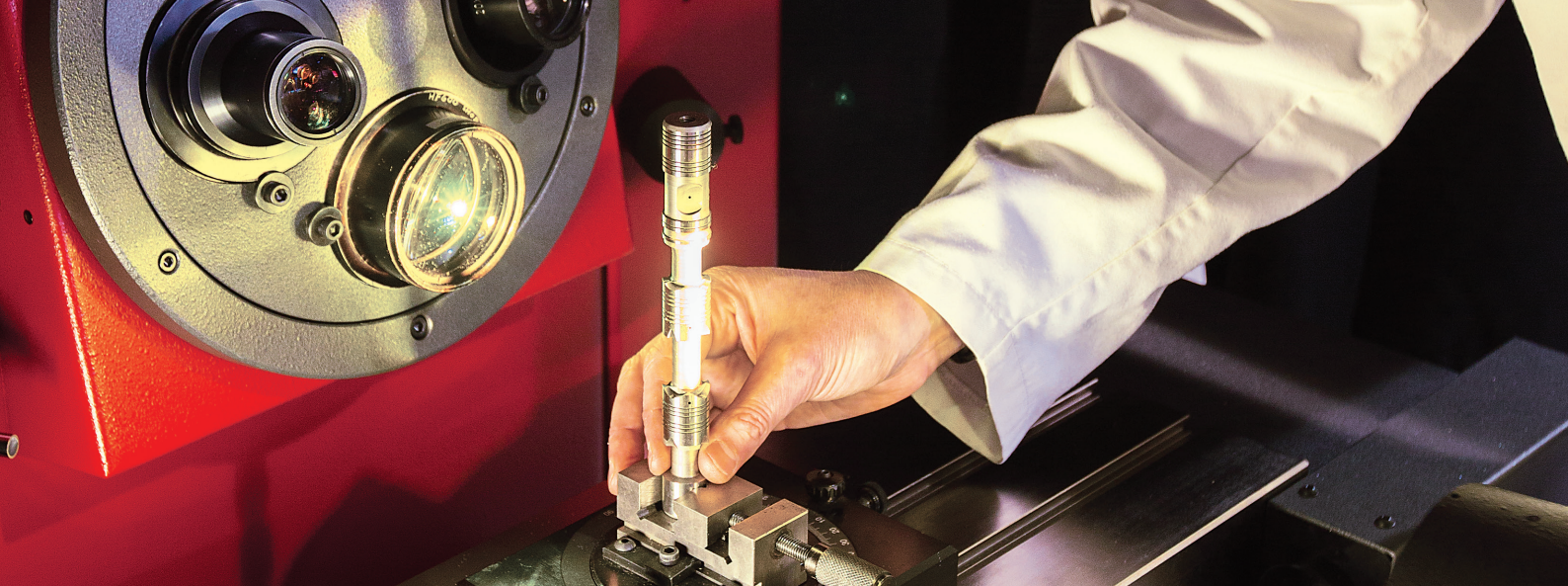


SPECIFICATIONS

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

Starrett®



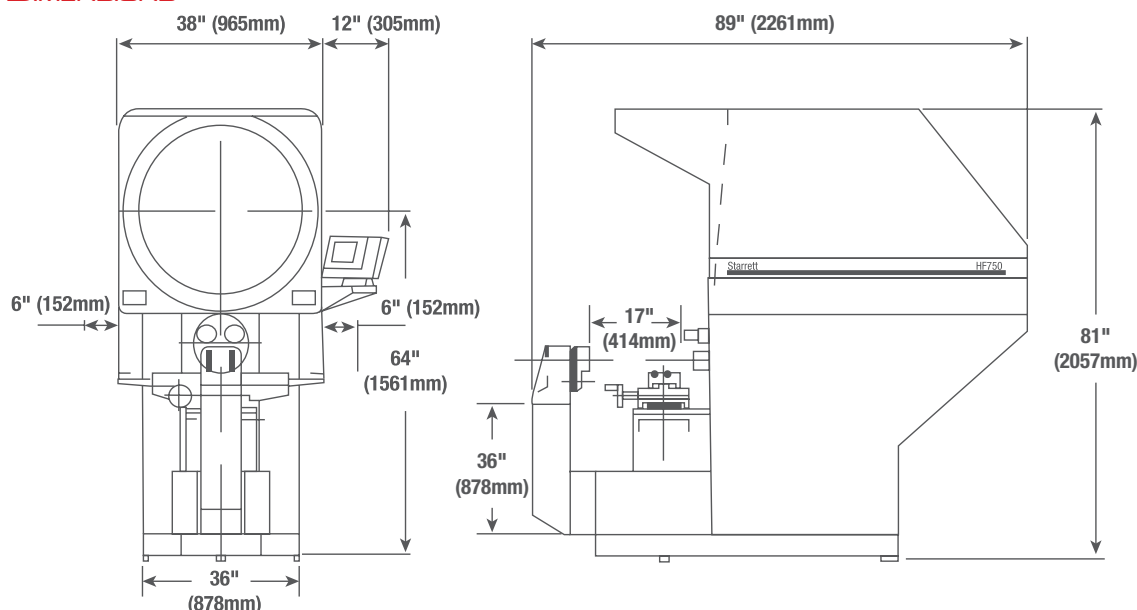
FEATURES AND SPECIFICATIONS

- All metal construction with nickel plated stage tooling plate
- 30" (750mm) 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 three 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™ 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

HF750 DIMENSIONS



WEIGHT AND DIMENSIONS

	HF750
Net Weight	1660lbs 752kg
Gross Weight	1800lbs 816kg
Crated Dimensions	97" x 48" x 91" 246 x 122 x 231cm

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

For Sales, Service & Spares contact:



Michael Francis House • 3 Trimbush Way
Market Harborough • Leicestershire • LE16 7XY
Registered in England No. 5562754
VAT No. 780 4974 94

T +44 [0]1858 436940
E info@optimaxonline.com

F +44 [0]1858 436941
www.optimaxonline.com