

# HORIZONTAL BENCH-TOP OPTICAL COMPARATOR

## HE400

The most economical of our bench top comparators, the HE400 offers a 16" (400mm) diameter screen, 10" x 4" (250mm x 100mm) X-Y stage travel, LED lighting, choice of six bayonet-style fixed interchangeable lenses and Q-axis angular readout: all to improve capability and performance. These latest horizontal comparators are fitted with MetLogix™ M1, M2, or Mx-Series measuring software digital readout systems, making them simple to use, but having the power to satisfy the most complex measuring requirements.

### FEATURES AND SPECIFICATIONS

- All metal construction
- Single bayonet-style lens mounting system
- Collimating condenser with yellow/green filter and provision to mount further accessories
- Linear encoder (glass scale) with 1µm on both X and Y axes
- LED profile and surface illumination
- Fully retractable flexible duplex fiber optic surface illumination
- Digital protractor for accurate angle measurement 1' resolution
- Available with MetLogix™ M1 tablet, M2 PC-based touch screen measuring software, Mx100 or Mx200 digital readout system
- 15.4lb (7kg) load capacity
- 18.75" x 4.74" (480mm x 120mm) precision workstage top plate with machined slot for easy fixturing
- 10" x 4" (254mm x 100mm) of XY stage travel
- 1-1/8" (8mm) focus travel
- Fine adjustment on all axes
- Quick release mechanism on the X-axis

### OPTIONS

- Six interchangeable fixed magnification lenses including 10x, 20x, 25x, 31.25x, 50x and 100x
- Automatic fiber optic edge detection
- Canopy and curtains- free standing design (see Pg. 51)
- Purpose built cabinet stand
- Extensive line of accessories



HE400



OPERATOR INTERFACE

Feature	M1	M2	Mx100	Mx200
Optical edge detection (Option)	x	x	—	x
Geometric Functions	x	x	—	x
Graphic Based Constructions	—	x	—	x
Tolerancing	—	x	—	x
Data export reporting	x	x	x	x
Part programming and playback	—	x	—	x
Operating system	MLX Android™	MS Windows®	MLX Android™	MLX Android™
Part view display	—	x	—	—
Feature annotation	—	x	—	—
Software developer	MetLogix™	MetLogix™	MetLogix™	MetLogix™

SPECIFICATIONS

	HE400
Horizontal Travel	10" (250mm)
Vertical Travel	4" (100mm)
Focus Travel	1-1/8" (28mm)
Top Plate*	18.75" x 4.7" (480mm x 120mm)
Image	Inverted and reversed

\*With machined single slot for easy fixturing

WEIGHT AND DIMENSIONS

	HE400
Net Weight	230lbs 105kg
Shipping Weight	320lbs 146kg
Shipping Dimensions	49" x 32" x 51" (125cm x 81cm x 130cm)

HE400 DIMENSIONS

