Starrett®

METROLOGY SOLUTIONS

The New HD400

New HD400 Horizontal Benchtop Optical Projector

The HD400 has a 16" (400mm) screen, dual lenses and extended X-travel. Now with a distictive new look, this highly flexibile system and perfect choice for complex applications.
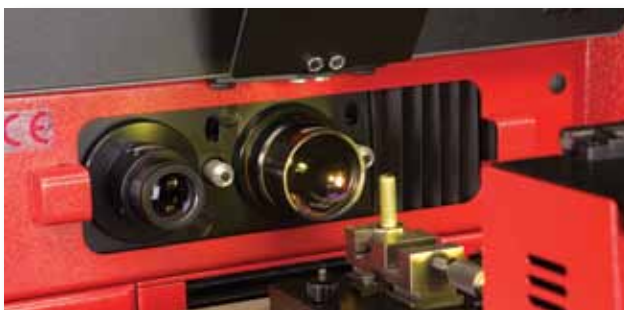
Shown with Quadra-Chek QC-200 (left). MetLogix M2 readouts (above) are also available

Features & Specifications

- Available with a choice of a MetLogix M2 or Quadra-Chek readout systems (as shown)
- Updated appearance package
- Dual lens mount with slide action for quick magnification changes
- 5x, 20x, 25x, 31.25x and 50x lenses available
- Optional OV^2 quick change video camera can be paired with optical lens for multisensor applictions
- Fully usable 16" (400mm) screen diameter
- Large measuring travel: 16" X-axis, 6" Y-Axis (405mm x 150mm)
- Exceptionally stable, all metal construction for optimum performance and accuracy
- High precision workstage with 25.25" x 5" top plate, with two machine slots for easy fixturing
- Stage weight capacity: 100 lbs
- Dual mirror design for vertically correct image
- Digital protractor for accurate angle measurements, 1' resolution
- ±15° workstage helix adjustment for accurate thread form inspection
- Fine adjustment on all axes, plus zero backlash, fast traverse mechanism on the X-axis
- Fully retractable fiber optic surface illumination with heavy-duty shielding
- Motorized and CNC workstage options
- Automatic edge detection option

HD400 with its nwslide lens system. Optical lens is in use while an OV^2 Video Adapter is in the left position. This configuration allow multisensor (optical & video) inspection in a single setup.

METROLOGY SOLUTIONS

M2 Touchscreen Readout

M2 Readout for Optical Systems

The Metlogix M2 readout has a broad range of powerful, user-friendly functions on a compact, icon based touchscreen interface in place of the traditional control.
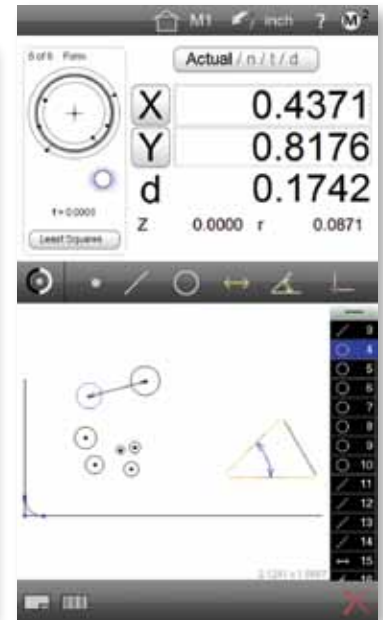
A Starrett optical projector with an M2 display offers a state of the art measurement system that is powerful, intuitive and exceptionally accurate.

Features & Specifications

- Clean and simple touchscreen interface with large icon buttons and intuitive operation
- Graphics rich display providing instant information on feature form, tolerances, and measurement data
- Coordinate display for X and Y linear axes and Q radius values for screen rotation
- Easy part alignment and datum functions
- Measure and tolerance these geometric features: point, line, angle, distance, radius, diameter
- As you measure, a part view is created in the feature view. Constructions between features such as distances and bolt hole pattern can been done by simple selections from the part view
- For repetitive part measurement, create a part program that will visually guide operators through part measurement
- Available optical edge detection provides better throughput and removes operator subjectivity
- Four different report forms that can be printed or exported to Excel, text files or to an SPC program
- M2 mounts and displays in either vertical or horizontal postition
- Windows 7-based operating system enables flexible data export and interface capability with Windows applications and enables fast, easy connection to printers and networks
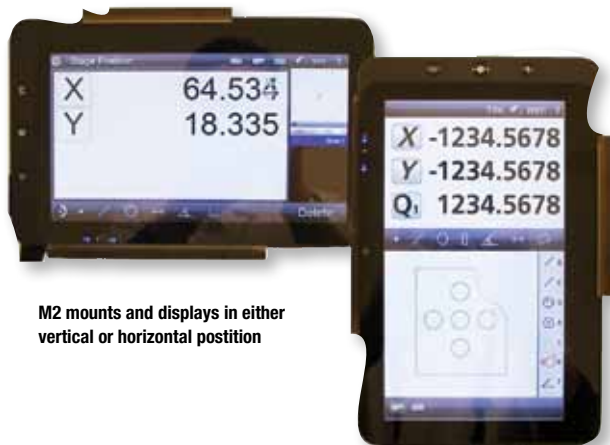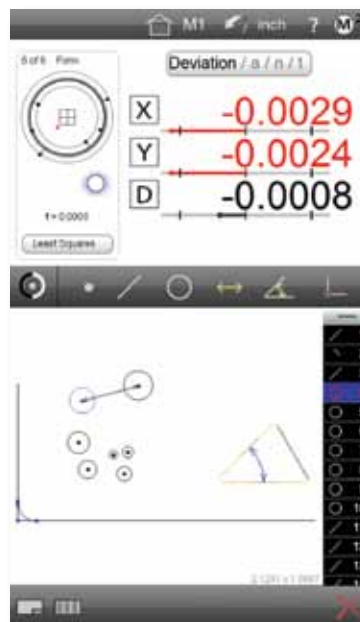

Starrett HB400 with an M2 Readout

Circle geometry

Intuitive graphic touch menu

M2 mounts and displays in either vertical or horizontal postition

Tolerance Screen

Powerful reporting for display or export