Starrett®

METROLOGY SOLUTIONS

The New HB400
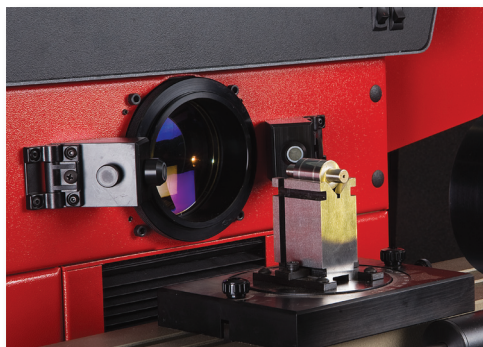
New HB400 Horizontal Benchtop Optical Projector

The new HB400 provides a vertically correct image on a fully usable 16" (400mm) screen. Now with a distictive new look, this robust, full-featured and compact horizontal benchtop projector is a clear leader in its class.

Shown with MetLogix M2 touchscreen control on a tablet PC (left) Quadra-Chek readouts (above) are also available

Features & Specifications

- Available with a choice of a MetLogix M2 (as shown) or several Quadra-Chek control systems
- Distinctive new styling
- Fully usable 16" (400mm) screen diameter
- Large measuring travel: 12" X-axis, 6" Y-axis (300mm x 150mm)
- Exceptionally stable, all metal construction for optimum performance and accuracy
- High precision workstage with 21.25" x 5" top plate, with two machine slots for easy fixturing
- Stage weight capacity: 100 lbs
- Quick action change lens system
- 5x, 20x, 25x, 31.25x and 50x lenses available
- 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
- Automatic edge detection option
- Motorized and CNC workstage options
- Optional OV^2 quick change video camera with up to 200x magnification text

Above: A 5x lens is now available on a standard HB400 system

METROLOGY **S**OLUTIONS

M2 Touchscreen Control

M2 Readout for Optical Systems

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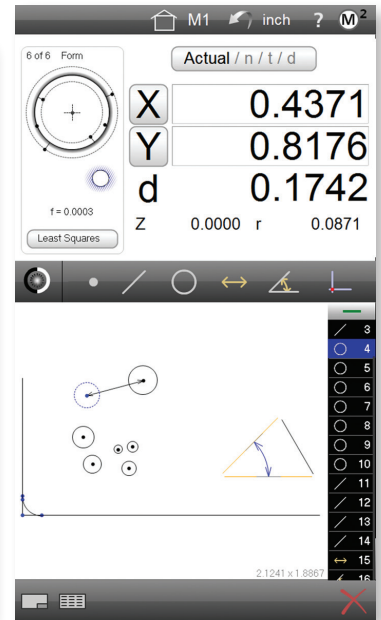
A Starrett optical projector with an M2 display offers a state of the art measurement system that is powerful, intuitive and exceptionally accurate.

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
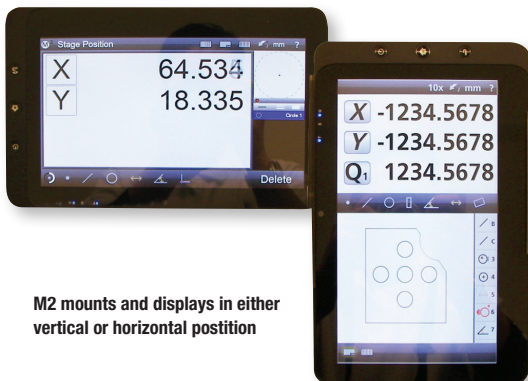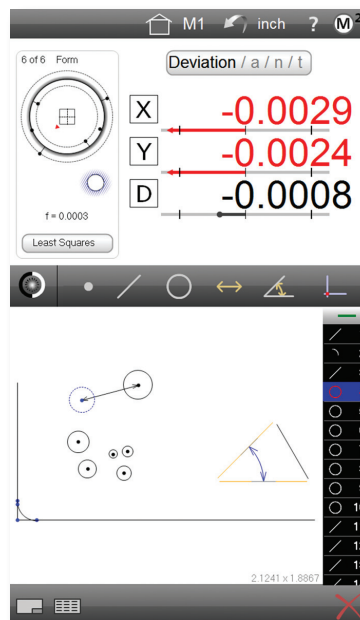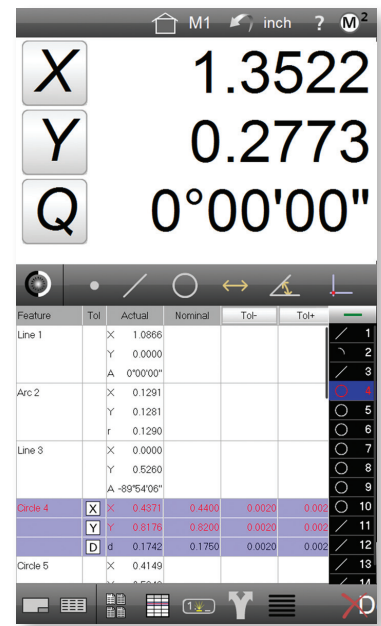
Starrett HB400 with an M2 Readout

Circle geometry

Intuitive graphic touch menu

M2 mounts and displays in either vertical or horizontal postition

Tolerance Screen

Powerful reporting for display or export