

A Premium Horizontal Benchtop Optical Comparator

Features

Hardware

- 14" viewable screen
- 12" x 5" XY travel with 6.5° helix motion and fine adjustment knobs in X and Y
- Rigid, all-steel construction
- 0.00004" XY scales

Optics & Illumination

- Fully telecentric with upright, corrected image
- 3 position internal lens turret
- 3.9" constant working clearance
- 3 vivid TruLight® all LED illuminators available

DRO & Software

- Quadra-Chek® QC-100 or Q-Check® standard
- QC-200 or QC-300 Series DRO optional
- Optional EdgeScan™ or Projectron™ for internal automatic edge detection
- Optional VidiProbe video automation package with Measure-X® 2D software
- Optional eCAD® electronic chart overlay package
- Optional MeasureFit® Plus for CAD analysis fitting
- Optional SmartReport® with real-time statistics
- Optional ImageCapture software for saving images and movies
- Optional eChek™ metrology software

CC-14 – New Technology for Increased Value



The CC-14 is a quality, full-function optical comparator with a broad range of standard features.

Exclusive TruLight® all-LED illumination fills the 14" viewable screen at all magnifications. Use the optional ImageCapture feature to save screen images or movies to document your inspections.

Solid Design

CC-14 is built for real world, shop environments. Its rigid, all-steel construction and solid metal castings provide durability and consistent accuracy you can depend on every day.

Intuitive Electronics and Software

CC-14 offers a choice of QuadraChek® QC-100 or QVI® Q-Check® DRO as standard. The Q-Check controller provides full geometric measuring functions with simple push button controls. Or choose QC-200, or QC-300 DRO for even greater functionality.

CC-14 offers consistent accuracy from every user with features like optional EdgeScan or Projectron internal automatic edge detection. Connect your CC-14 to a PC and run optional measurement, fitting, and reporting software. Compare parts directly to digital virtual charts with eCAD.

Illumination

CC-14 offers THREE TruLight all-LED illuminators. The standard green LED profile light, the optional white LED ring light and TTL surface light offer continuously variable intensity for perfect imaging in every situation. Cool operating LEDs provide years of maintenance-free performance.

Precision Optics

Choose from a range of available telecentric mag lenses for superb image quality. The 3 position internal lens turret makes mag changes easy, while keeping lenses safe and ready for immediate use.



Optional TruLight LED ring light with six selectable light combinations and variable intensity control.



Technical Specifications

Optical	<p>14" diameter screen, with integral hood Ground glass with 90° centerlines and clips for mounting 14" overlay charts Digital screen display, ±360° readout with 1' (0.017") resolution Telecentric, with upright, reversed image, 3.9" constant working clearance; 10X lens 20X, 31.25X, 50X, 100X Three position, manual, internal, with magnification display 9.8"</p>
Mechanical	<p>Manual, with quick release X axis and fine adjustment knobs in X and Y Motorized, with variable speed joystick 12" x 5" 1.5" with precision fine adjustment Extended X axis travel - 15" Precision, with heavy duty substage for vertical motion and focus control 0.00004" Hardcoat anodized aluminum with fixturing slot, 16" x 4.75", 45 lb capacity ±6.5° with pivoting worktable assembly and zero stop 40" x 18" (32" with DRO) x 41" Manual, 315 lb; Motorized, 335 lb</p>
Illumination (TruLight®)	<p>Profile light, bright green LED, continuously variable intensity. Oblique (Dark Field), Ring light with 8 white LEDs, 6 switch-selectable patterns for effective directional lighting; continuously variable intensity Through-the-lens coaxial surface light, white brightfield, LED, continuously variable intensity</p>
Electronics	<p>Choice of Quadra-Chek® QC-100 or QVI® Q-Check® Quadra-Chek QC-200 or QC-300</p>
Optional Software Packages	<p>MeasureFit® Plus SmartReport® with real-time statistics Quadra-Chek QC-Wedge (requires Microsoft® Excel™) eCAD™ for electronic CAD overlay & virtual chart system eChek™ Metrology Software (motorized systems only) Measure-X® 2D Metrology Software (motorized systems only)</p>
Power Requirements	<p>115/230VAC, 50/60HZ, 1Φ, 350W</p>
Options	<p>Adjustable direct projection iris Digital video screen image capture EdgeScan™ internal automatic edge detection (requires a Quadra-ChekDRO) Projectron™ automatic grayscale edge detection (requires a Q-Check DRO) VidiProbe™ Video Measurement with turret mounted camera and Measure-X 2D software Fixture and calibration reticles Fresnel lens Overhead light shield Glass and plastic overlay charts Heavy duty steel weldment stand Ergonomic, motorized adjustable height stand CE mark available for systems delivered to Europe Service and support contracts</p>
Warranty	<p>Full parts and labor warranty for 1 year.</p>