

*A heavy duty
 side-screen optical comparator*

FEATURES

Hardware

- 30" diameter screen
- 15" x 10" XY travel
- Heavy duty cast iron and nickel plated worktable support structure
- 0.00004" XY scales

Optics & Illumination

- Telecentric with fully corrected image
- 5 position internal lens turret
- 10.4" constant working clearance
- 5X-100X projection lenses
- Mercury arc direct surface profile illumination

Electronics & Software

- Quadra-Chek® QC-100 is standard, or choose a QC-200 or QC-300 Series DRO
- Optional MeasureFit® Plus for CAD analysis fitting
- Optional SmartReport® with real-time statistics
- Optional EdgeScan™ for internal automatic edge detection
- Optional eChek™ metrology software



MEASUREMENT SYSTEM

CC-30S – Unmatched Optical Comparator

The CC-30S is an optical comparator that offers the unbeatable combination of strength, stability, and pin-point accuracy to provide the best image possible in the most rigorous shop floor environments.

With the user-friendly side-screen design, CC-30S enables you to get close for ultimate screen viewing.

Solid Design

The robust design, superior optical system, advanced electronics and software, and task-specific illumination of the CC-30S delivers the performance and reliability you need. Rigid construction and heavy duty components allow for durability and accuracy — A combination you may not find in other comparators.

Intuitive Electronics and Software

Choose a Quadra-Chek QC-100, QC-200, or QC-300 DRO to get the measurements you need.

Optional EdgeScan™ internal automatic edge detection provides accurate edge measurements from every user. Connect your CC-30S to a PC and run optional measurement fitting, and reporting software.

Illumination

CC-30S includes high-brightness mercury arc square-on, direct projection and profile lighting.

Precision Optics

Available telecentric projection lenses from 5X to 100X supply superb image quality for every situation.

MeasureFit

eChek™

ImageCapture



EdgeScan

Compare the Quality



A Quality Vision International Company

CC-30S Optical Comparator

TECHNICAL SPECIFICATIONS

Optical

Screen Size	30" diameter screen, with integral hood and overhead curtain
Screen Type	Ground glass with 90° centerlines and clips for mounting standard overlay charts
Protractor	Screen rotation protractor with $\pm 360^\circ$ motion, digital display, thermal compensation function, 0.01° or 1' display
Optical System	Telecentric, with fully corrected image, 10.4" constant working clearance
Optional Lenses	10X, 20X, 50X, 100X 5X (not turret mountable)
Lens Turret	Five position, motorized turret
Throat Clearance	21.1"

Mechanical

XY Travel	15" x 10"; Focal - 3" with precision fine adjustment
Optional Travel	Extended X axis travel - 18"
XY Positioning	Motorized, DC servo, with variable speed joystick and X axis fine adjustment knob
Worktable	Nickel plated iron with 3 fixturing slots, 32" x 8", 550 lb load capacity
Helix Motion	$\pm 15^\circ$ with pivoting worktable assembly and zero stop
System Dimensions	88" x 72" x 80" DWH
Weight, approximate	3600 lb

XY Motion

Precision mechanical bearing slides attached to a heavy duty cast worktable support structure

Illumination

200 W mercury arc direct projection and surface

Electronics

Optional Electronics



Quadra-Chek® QC-100 (std.)

Quadra-Chek® QC-200, QC-300

Optional Software Packages



MeasureFit® Plus (requires separate computer);

SmartReport® with real-time statistics (requires separate computer);

Quadra-Chek® QC-Wedge (requires separate computer and Microsoft® Excel™);

eChek™ (requires separate computer)



Power Requirements

115 VAC, 50/60 Hz, 1 Φ , 2500 W

Scale Resolution

0.00004"

Options



Digital video screen image capture

EdgeScan™ internally mounted automatic edge detection (requires DRO)

Glass and plastic overlay charts

Surface illumination concentrator (for 50X and 100X lenses)

Adjustable iris assembly, adjustable slit iris assembly

Service and support contracts

Fixtures and calibration accessories

Warranty

Full on-site warranty for 1 year. Parts only warranty for second year.



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