A large screen, small footprint horizontal optical comparator

**FEATURES**

**Hardware**
- 30” diameter screen
- 15” x 9” 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
- 8.4” constant working clearance
- 10X-100X projection lenses
- Tungsten halogen profile illumination

**DRO & 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-30 – High Capacity Optical Comparator**

The CC-30 is an optical comparator that offers a large, bright image in a compact workspace.

With the bright, 30” diameter screen at eye level and easy access to parts and fixtures, the CC-30 is designed to provide great performance right where you need it.

**Solid Design**

The combination of the robust design, superior optical system, advanced electronics and software, and bright illumination delivers the performance you need in a high load capacity 30” comparator. Rigid construction and heavy duty components allow for durability and long-term reliability.

**Intuitive Electronics and Software**

Choose a Quadra-Chek QC-100, QC-200, or QC-300 DRO to get the measurements you need. Choose optional EdgeScan™ internal automatic edge detection for accurate edge measurements from every user. Connect your CC-30 to a PC and run optional measurement, fitting, and reporting software.

**Illumination**

CC-30 includes tungsten halogen square-on, direct projection and profile lighting.

**Precision Optics**

Choose telecentric projection lenses with a magnification range of 10X-100X for superb image quality. The 5 position internal lens turret keeps lenses safe and ready for immediate use.

Visit www.certifiedcomparator.com for more information
CC-30 Optical Comparator

**Optical**
- **Screen Size**: 30” diameter screen, with integral hood
- **Screen Type**: Ground glass with 90° centerlines and clips for mounting standard overlay charts
- **Protractor**: Screen rotation protractor with ±360° motion, digital display, thermal compensation function, 0.01° or 1’ display
- **Optical System**: Telecentric, horizontal, with fully corrected image, 8.4” constant working clearance
- **Optional Lenses**: 10X, 20X, 50X, 100X
- **Lens Mounting**: Standard one position, fixed; Optional five position, motorized turret
- **Throat Clearance**: 18.38”

**Mechanical**
- **XY Travel**: 15” x 9”; 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
- **XY Motion**: Precision mechanical bearing slides attached to a heavy duty cast worktable support structure
- **Worktable**: Nickel plated iron with 3 fixturing slots, 32” x 8”; 550 lb load capacity
- **Optional Helix Motion**: ±7.5° with pivoting worktable assembly and zero stop
- **System Dimensions, (approx DWH)**: 71” x 42” x 80”
- **Weight, approximate**: 1700 lb

**Illumination**
- **150 W tungsten halogen, direct projection profile, with green filter**
- **Optional Illumination**: 200 W mercury arc direct projection; 200 W mercury arc surface

**Electronics**
- **Quadra-Check QC-100 (std.)**
- **Optional Electronics**: Quadra-Check QC-200, QC-300
- **Optional Software Packages**
  - MeasureFit® Plus (requires separate computer)
  - SmartReport with real-time statistics (requires separate computer)
  - Quadra-Check QC-Wedge (requires separate computer and Microsoft® Excel™)
  - eChek™ (requires separate computer)

**Power Requirements**
- **115 VAC, 50/60 Hz, 1Φ, 2500 W**

**Scale Resolution**
- **0.00004”**

**Options**
- **Digital video screen image capture**
- **ImageCapture**
- **EdgeScan™ internal automatic edge detection (requires QC-200 or QC-300 DRO)**
- **Glass and plastic overlay charts**
- **Surface illumination concentrator (for 50X and 100X lenses)**
- **Adjustable iris assembly, adjustable slit iris assembly**
- **Overhead curtain**
- **Service and support contract**
- **Fixtures and calibration accessories**

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