

A Heavy Duty Side-Screen  
Optical Comparator

Features

*Hardware*

- 30" diameter screen
- 15" x 10" XY travel
- Cast iron vertical elevating assembly, cast iron nickel plated worktable
- 0.00004" XY scales

*Optics & Illumination*

- Telecentric with fully corrected image
- 5 position internal lens turret
- 10.4" constant working clearance
- 10X-100X projection lenses

*Electronics & Software*

- QVI® Q-Check® DRO Controller
- Optional MeasureFit® Plus for CAD analysis fitting
- Optional SmartReport® with real-time statistics
- Optional Projectron™ internal automatic edge detection
- Optional eChek™ metrology software

CC-30S – Unmatched Optical Comparator



duty components allow for durability and accuracy — a combination you may not find in other comparators.

Intuitive Electronics and Software

The QVI® Q-Check® controller offers full geometric measuring functions as standard.

Optional Projectron 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 for profile lighting.

Precision Optics

Available telecentric projection lenses from 10X to 100X supply superb image quality for every situation.

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 stand very 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



ImageCapture



eChek™

MeasureFit

## Technical Specifications

# CC-30S

### Optical

Screen Size  
Screen Type  
Protractor

30" diameter screen, with integral hood and overhead curtain  
Ground glass with 90° centerlines and clips for mounting standard overlay charts  
Rotary screen ring with rotation protractor with  $\pm 360^\circ$  motion, digital display, thermal compensation function, 0.01° or 1' display  
Telecentric, with upright and un-reversed image, 10.4" constant working distance  
10X, 20X, 31.25X, 50X, 62.5X, 100X  
Five position, motorized turret  
21.1"

### Mechanical

XY Motion  
XY Travel  
Focus Travel  
Optional Travel  
XY Positioning  
XY Scale Resolution  
Worktable  
Helix Motion  
System Dimensions  
(approx DWH)  
Weight (approx)

Motorized, DC servo, with variable speed joystick and X & Y axis fine adjustment  
15" x 10"  
3" with precision fine adjustment  
Extended X axis travel - 18"  
Precision mechanical bearing slides attached to a heavy duty cast worktable structure  
0.00004"  
Cast iron vertical elevating assembly, cast iron nickel plated worktable, 32" x 8"; 550 lb load capacity  
 $\pm 15^\circ$  with pivoting worktable assembly and zero stop  
88" x 72" x 80"  
  
3,600 lb

### Illumination

Standard Illumination  
Optional Illumination

200W mercury arc profile projection with green filter  
200W mercury surface illumination

### Electronics

Standard Electronics

QVI® Q-Check® DRO Controller

### Optional Software Packages

(All optional software requires  
a separate computer)

MeasureFit® Plus  
SmartReport® with real-time statistics  
eChek™ Metrology Software

### Power Requirements

115VAC, 50/60 Hz, 1 , 2500 W

### Options

Adjustable iris assembly, adjustable slit iris assembly  
Projectron™ automatic grayscale edge detection  
Fixture and calibration reticles  
Glass and plastic overlay charts  
Surface illumination concentrator (for 50X and 100X lenses)  
High magnification collimator  
Swing away lamphouse  
Service and support contracts

### Warranty

Full parts and labor warranty for 1 year.