CC-14 Contour Projector®

Advanced Comparator Technology for Increased Value

The CC-14 is a high quality, full-function optical comparator with the most advanced technology available.

- Exclusive TruLight® all-LED illumination

- Built for real world, shop environments with rigid, all steel construction and solid metal castings

- Optional VidiProbe® video measurement and eCAD® virtual chart gage system for full CNC automation

Proudly designed and manufactured in the United States of America

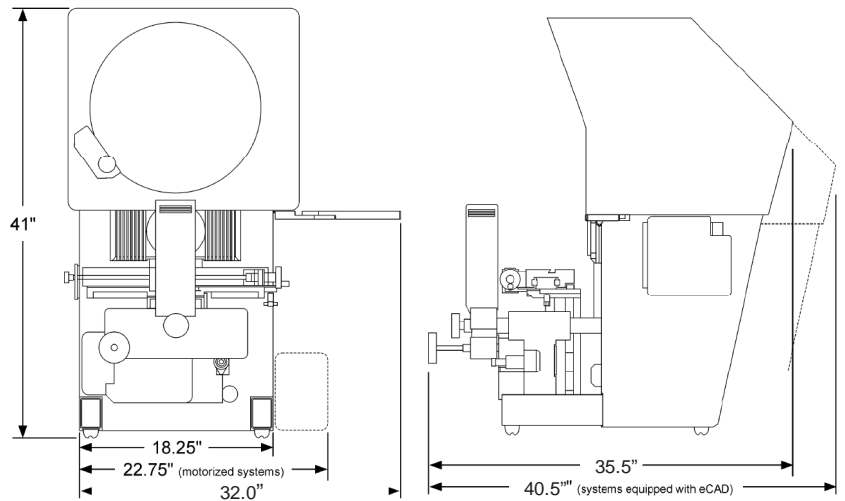*Shown with optional motorized X,Y stages and Quadra-Chek® DRO.

CC-14 Contour Projector

Available Options and Accessories:

- Extended X-axis travel
- Adjustable direct projection iris
- Digital video screen image capture
- EdgeScan internal automatic edge detection (requires a Quadra-Chek or Q-Touch DRO)
- 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 cabinet stand with storage space
- Ergonomic, motorized adjustable height stand
- Service and support contracts

Optional Software:

- Measure-X® 2D Metrology Software
- MeasureFit® Plus
- SmartReport® with real-time statistics
- Quadra-Chek® QC-Wedge (requires Microsoft® Excel™)
- eCAD® electronic CAD overlay chart systems
- eChek™ Metrology Software

41"

18.25"
22.75" (motorized systems)
32.0"

35.5"
40.5" (systems equipped with eCAD)

System Weight:
Manual: 315 lb
Motorized: 335 lb

	Standard	Optional
XY Travel Range (in)	12 x 5	15 x 5
Helix Angle Range	±6.5° with pivoting worktable assembly and zero stop	
Z Focus Travel (in)	1.5" with precision fine adjustment	
Throat Clearance (in)	9.8	
XY Scale Resolution (in)	0.00004	0.00002
XY Drive System	Manual, with quick release X-axis and fine adjustment knobs in X and Y	Motorized with variable speed joystick control and manual fine adjustments
Worktable (in)	Hardcoat anodized aluminum with fixturing slot, 16 x 4.75	
Recommended Maximum Load Capacity (lb)	45	
Optical System	Telecentric, with upright, reversed image	
Screen	14" diameter ground glass screen, with integral hood, 90° centerlines and clips for mounting overlay charts	
Protractor	Digital screen display, ± 360° readout with 1' (0.017°) resolution	
Working Distance (in)	3.9	
Lens	10X Projection lens	20X | 31.25X | 50X | 100X
Lens Turret	Three position, manual, internal, with magnification display	
Illumination	Profile light: High-brightness green LED with continuously variable intensity control	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
Electronics	Choice of Quadra-Chek® QC-100 or QVI Q-Check®	Quadra-Chek QC-200 or QC-300 Q-Touch™
Power Requirements	115/230VAC, 50/60 Hz, 1φ, 400W	

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