



# CC-16 Contour Projector®

The **CC-16** is a top quality optical comparator designed for high performance on the shop floor. The 16" diameter screen displays crisp, evenly illuminated images at every available magnification.

- Exclusive TruLight® all-LED illumination
- CC-16 is "rock solid" with its cast mineral composite base that provides structural integrity for consistent performance in shop environments
- Optional VidiProbe® video measurement

Benchtop Optical Comparator



Proudly designed and manufactured in the United States of America



\*Shown with QVI® Q-Check® DRO.

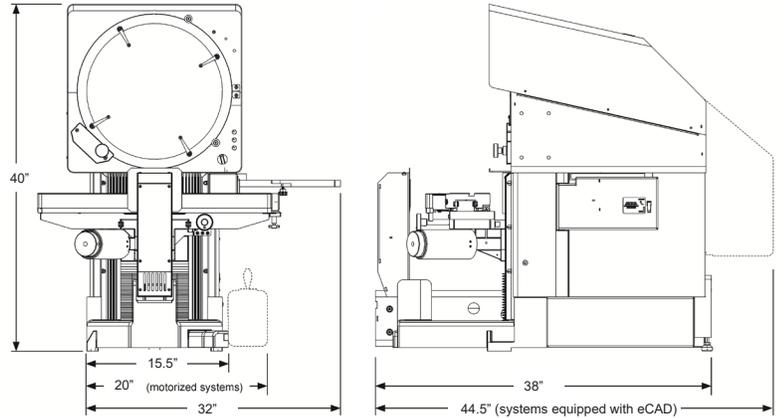
# CC-16 Contour Projector

## 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 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
- Swing away lamphouse
- 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™)
- eChek™ Metrology Software



System Weight: 495 lb

	Standard	Optional
<b>XY Travel Range (in)</b>	15 x 6	18 x 6
<b>Helix Angle Range</b>	±7.5° with pivoting worktable assembly and zero stop	
<b>Z Focus Travel (in)</b>	2 with precision fine adjustment	
<b>Throat Clearance (in)</b>	10.6	12.6, with optional breakaway lamphouse
<b>Recommended Maximum Load Capacity (lb)</b>	60	
<b>XY Scale Resolution (in)</b>	0.00004	0.00002
<b>XY Drive System</b>	Motorized, with variable speed joystick control and manual fine adjustment knobs	
<b>Worktable (in)</b>	Hardcoat anodized aluminum with fixturing slot, 20 x 4.75	
<b>Optical System</b>	Telecentric with upright, reversed image	
<b>Screen Diameter (in)</b>	16 diameter ground glass screen, with integral hood, 90° centerlines and clips for mounting overlay charts	
<b>Protractor</b>	Digital screen display, ± 360° readout with 1' (0.017°) resolution	
<b>Working Distance (in)</b>	3.5	
<b>Lens</b>	10X Projection lens	20X, 31.25X, 50X, 100X
<b>Lens Mount</b>	Internal, quick change lens mount and storage rack with locking access door	Two position lens turret, manual, internal
<b>Illumination</b>	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
<b>Electronics</b>	QVI Q-Check® or Q-Touch™	Quadra-Chek QC-200 or QC-300
<b>Power Requirements</b>	100-120VAC or 200-240VAC, 50/60 Hz, 1φ, 400W	



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