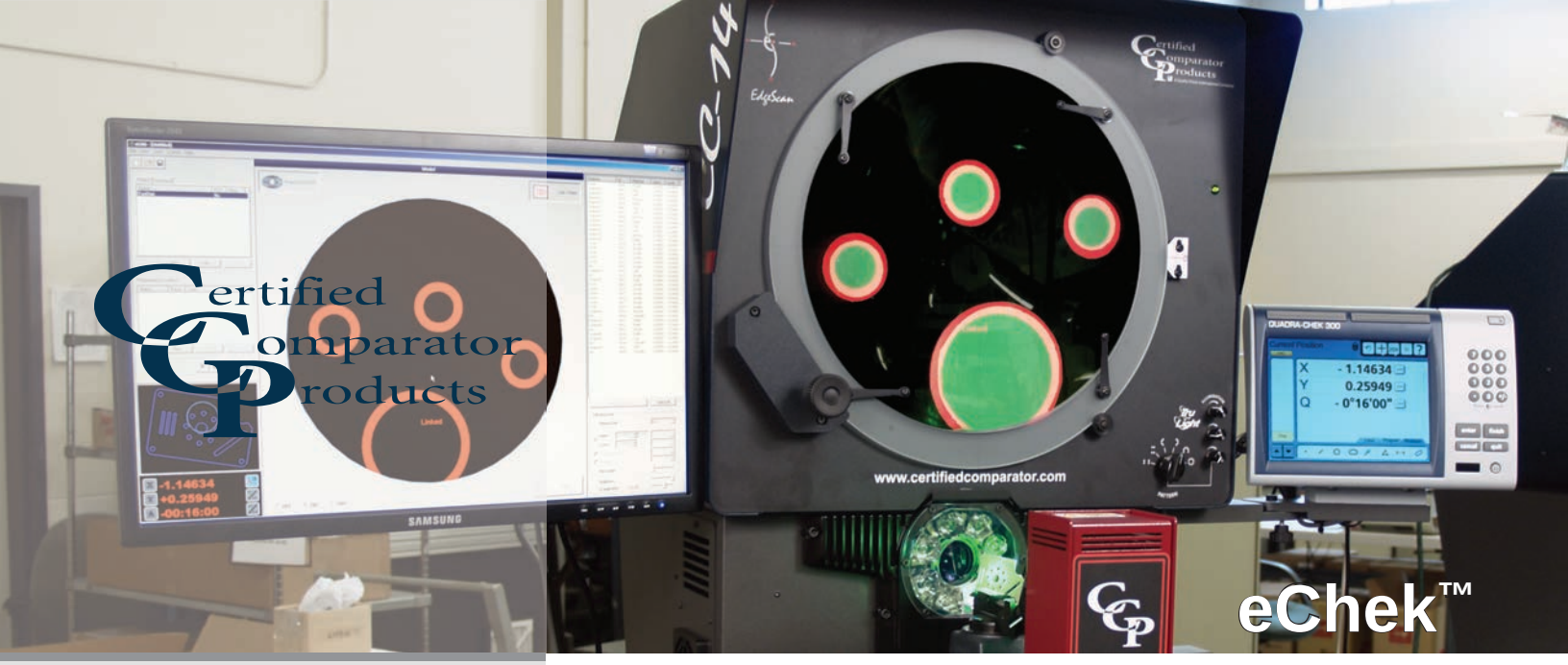


eChek adds full measurement and construction functionality to your CCP optical comparator. Measure points, midpoints, angles, lines, arcs, circles, distances, widths, included angles, angle intersections, line/ circle intersections, point-to-point distances, gage ball tangent to two lines, and gage ball between two non-parallel lines.

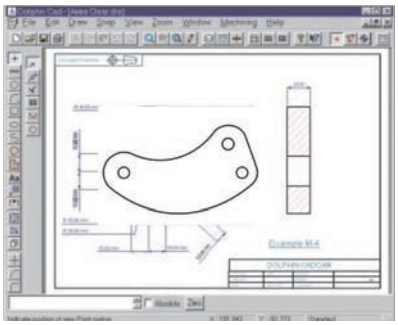
eChek Features:

- Hands-off CNC operation, including automatic worktable motion and edge detection (requires EdgeScan™ or Projectron™).
- Complete measurement and construction functionality
- Intuitive full-feature user interface

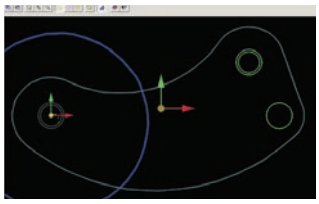
Proudly designed and manufactured in the United States of America

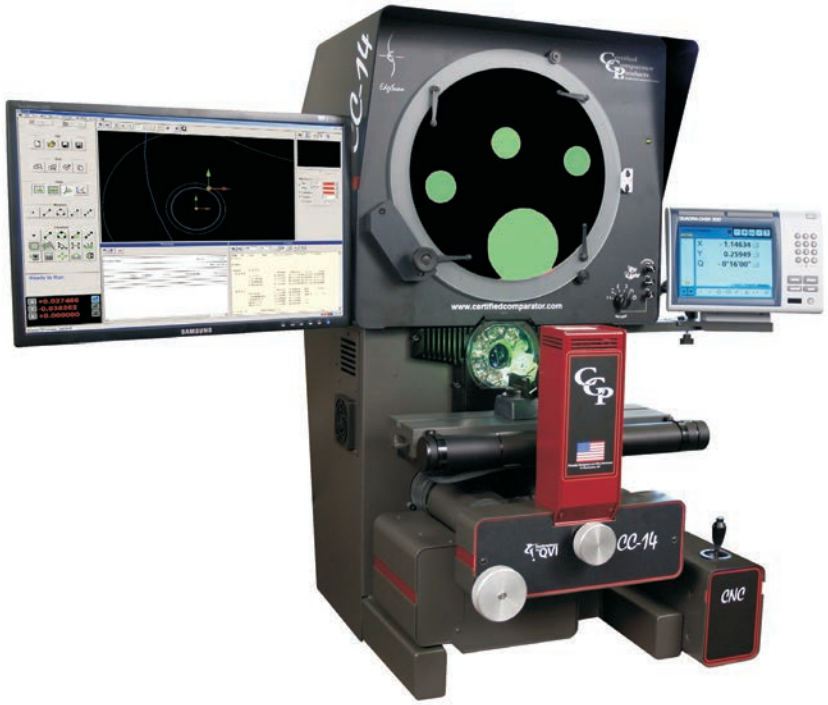
Automated CNC Measuring Package for CCP Comparators

From CAD...



...to eChek





Options:

- eChek offline has the ability to define tolerances, import CAD files, create alignment methods, and program critical inspection areas from a remote location
- Supports optional CNC rotary axis

	Standard
Coordinate System and Unit Selections	Cartesian (XY) and polar (RA) Decimal/degree or deg/min/sec Direct conversion of English and Metric units Selectable numeric resolution
Measurement Types	Coordinate point Line Radius and diameter Included angle and intersection point Width Distance: X,Y, Polar, Point Line Intersections between lines and circles Gage ball and gage diameters
Tolerances	Size - ANSI(+/-) and ISO (+/+, -/-, +/-) Locations - True Position, concentricity and linear Form - Circularity and straightness Orientation - Angularity, parallelism and perpendicularity Profile - Arc and line Modifiers - MMC and LMC
Graphics Model	Real-time display of measured features Auto scaling graphics model Color coding Zoom-in/out function Build constructions by selecting features Click and drag to select features
Data Reduction	Calculate from edge detection data or previously measured features Best fit (Gaussian), minimum or maximum
Datum Operations	Origin set Skew alignment Axis preset Translate origin and rotate axes Construct from basic dimensions
Supported CAD File Formats	DXF, IGES, Gerber, Excellon, HPGL
Minumum Computer Requirements	Windows™ XP Professional or Windows 7 (32 or 64 bit), Pentium class processor, 32-bit or 64-bit architecture, 128 MB RAM, 20 MB free space on hard drive, dual monitor support DVI/VGA card (800 x 600 min) required, CD-ROM drive, mouse, 104-key keyboard
CNC Control	XY worktable positioning Rotary indexing table (if equipped) Edge detection control (when equipped) Control external devices with digital I/O channels
Supported Digital Readouts	Q-Check® DRO or QC-300
Data Output	Configurable hard copy report Default and custom report Headers/comments Color coded on-screen display Configurable data export to Excel or database Run-time overrides Print graphics model Export to MeasureFit® and SmartReport® (powered by QC-CALC™ software; third-party SPC software)
Editing	Undo, insert, delete, change and copy steps Interactive editing while measuring Standard, condensed and expanded listings Advanced step editor
Calibration Utilities	Wall Effect compensation, Edge detection search parameters
System Configuration	Power-up defaults, Language, RS-232 port configuration, Defaults report and export template and Printer type and port
Math / Logic Functions	Copy and step & repeat: XY or RA offsets, Math operations, Branch-on-condition and if-then-else statements

Certified Comparator Products
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