

QL-30™ Contour Projector®

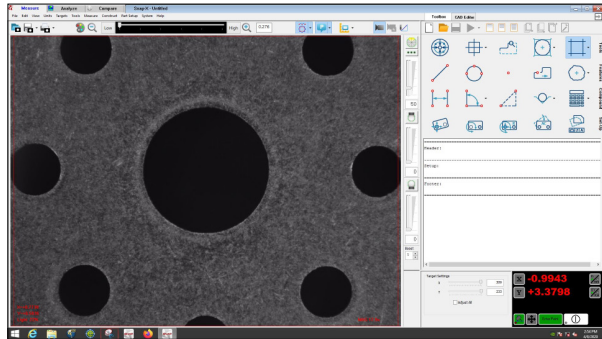
The **QL-30** is an ultra-high capacity optical comparator that offers a large, bright image and compact footprint.

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

- Standard mercury-arc profile lighting and optional mercury-arc surface light.
- Steel rotary screen ring makes for highly accurate rotational measurements.
- Rigid construction and heavy-duty components ensure long-term reliability.
- Optional VidiProbe video measurement and eCAD® virtual chart gage systems offer full automation.

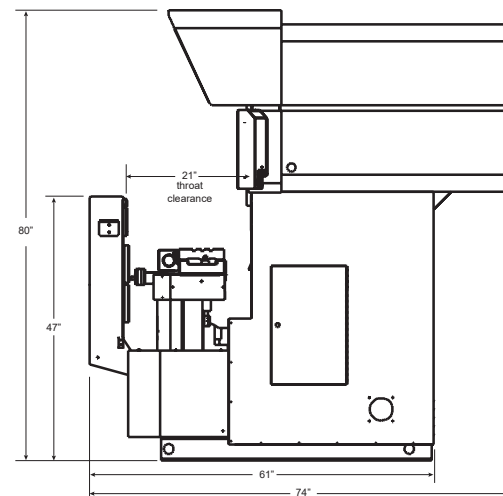
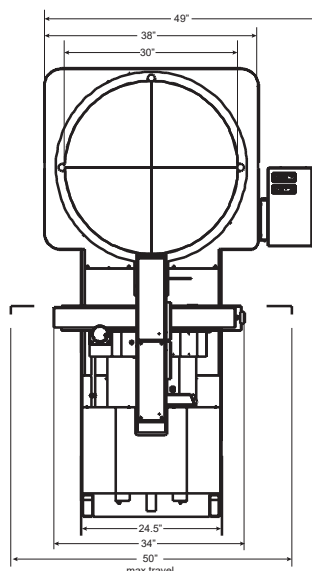
Ultra-High Capacity Optical Comparator





Transform the traditional optical comparator into a fully automatic inspection system with optional VidiProbe and Measure-X® software. The video camera is internally mounted to enable simultaneous measurements using both the analog comparator screen and the digital video with Measure-X.

QL-30™ Contour Projector®



System Weight: 2,150 lb
Shipping Weight: 2,700 lb

	Standard	Optional
XY Travel Range	15" x 9"	15" x 10", 18" x 9", 18" x 10"
Helix Angle Range		± 7.5° with pivoting worktable assembly and zero stop
Z Focus Travel	3" with precision fine adjustment	
Throat Clearance	21"	
XY Scale Resolution	0.00004"	0.00002"
XY Drive System	Motorized, DC servo, with variable speed joystick and X & Y axis manual fine adjustment	
Worktable	Heavy duty cast iron nickel plated worktable, 32" x 8"	
Recommended Maximum Load Capacity	250 lb	
Optical System	Telecentric with upright, un-reversed image	
Optical Options¹		Adjustable direct projection iris; Swing-away lamphouse; High performance profile light collimator; High efficiency surface illuminator heat glass; VidiProbe video automation package; eCAD™ for electronic CAD overlay and virtual charts
Edge Detection²		Projectron® internal automatic edge detection
Screen	30" diameter ground glass screen, with mounts in a precision metal rotary screen ring, 90° centerlines and clips for mounting standard overlay charts	
Protractor	Metal screen ring rotation protractor with ± 360° motion, digital display, 0.01° or 1' display	
Working Distance	8.4"	
Lens		10x, 20x, 31.25x, 50x, 62.5x, 100x
Lens Mount	Fixed, one position mount	Motorized 5 position lens turret with automatic magnification identification
Illumination	200W mercury arc direct projection with green filter	200W mercury arc surface
DRO	Q-Check®	
Software		Measure-X Measure and Compare (included with VidiProbe) Measure-X Analyze (optional with VidiProbe) Measure-X Offline OGP® EVOLVE® SPC
Accessories		Rotary indexer; Overhead light shield; Fixture and calibration reticles; Overlay charts
Power Requirements	100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 2700 W	
Safe Operating Environment	15-30 °C, non-condensing	

¹High performance profile light collimator for use with lenses of 50x magnification and higher

²Projectron intended for use with lenses of 50x magnification and lower



Confidence. When Results Matter.™

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