

## QL-30™ Contour Projector®

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

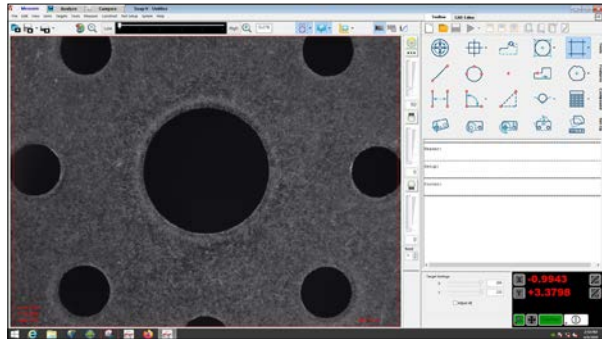
With the 30 inch diameter screen at eye level and easy access to parts and fixtures, the QL-30 is designed to provide great performance right where you need it.

- 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

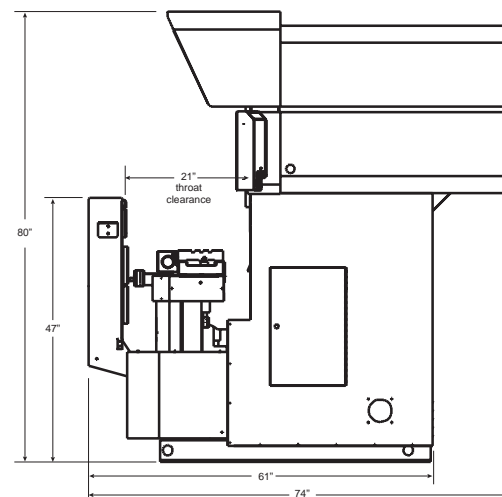
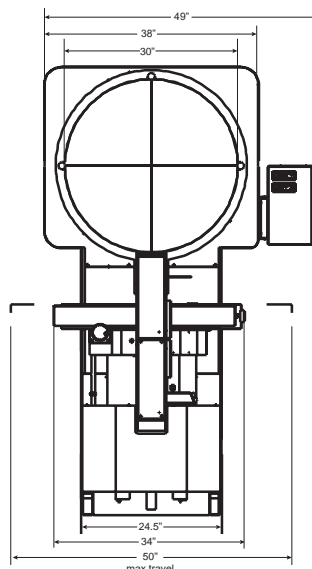
### Ultra-High Capacity Optical Comparator



# QL-30™ Contour Projector®



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



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

	Standard	Optional
<b>XY Travel Range</b>	15" x 9"	15" x 10", 18" x 9", 18" x 10"
<b>Helix Angle Range</b>		±7.5° with pivoting worktable assembly and zero stop
<b>Z Focus Travel</b>	3" with precision fine adjustment	
<b>Throat Clearance</b>	21"	
<b>XY Scale Resolution</b>	0.00004"	0.00002"
<b>XY Drive System</b>	Motorized, DC servo, with variable speed joystick and X & Y axis manual fine adjustment	
<b>Worktable</b>	Heavy duty cast iron nickel plated worktable, 32" x 8"	
<b>Recommended Maximum Load Capacity</b>	250 lb	
<b>Optical System</b>	Telecentric with upright, un-reversed image	
<b>Optical Options<sup>1</sup></b>		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
<b>Edge Detection</b>		Projectron® internal automatic edge detection
<b>Screen</b>	30" diameter ground glass screen, with mounts in a precision metal rotary screen ring, 90° centerlines and clips for mounting standard overlay charts	
<b>Protractor</b>	Metal screen ring rotation protractor with ± 360° motion, digital display, 0.01° or 1' display	
<b>Working Distance</b>	8.4"	
<b>Lens</b>	10X	20X, 31.25X, 50X, 62.5X, 100X
<b>Lens Mount</b>	Fixed, one position mount	Motorized 5 position lens turret with automatic magnification identification
<b>Illumination</b>	200W mercury arc direct projection with green filter	200W mercury arc surface
<b>Electronics</b>	Q-Check®	Q-Touch
<b>Software</b>		SNAP-X Measure and Compare (included with VidiProbe) SNAP-X Analyze (optional with VidiProbe) SNAP-X Offline eChek™ EVOLVE™ SPC
<b>Accessories</b>		Rotary indexer; Overhead light shield; Fixture and calibration reticles; Overlay charts
<b>Power Requirements</b>	115 VAC, 60 Hz, 1 phase, 2500W	
<b>Safe Operating Environment</b>	15-30 °C, non-condensing	

<sup>1</sup>High performance profile light collimator for use with lenses of 50X magnification and higher



Confidence. When Results Matter.™

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