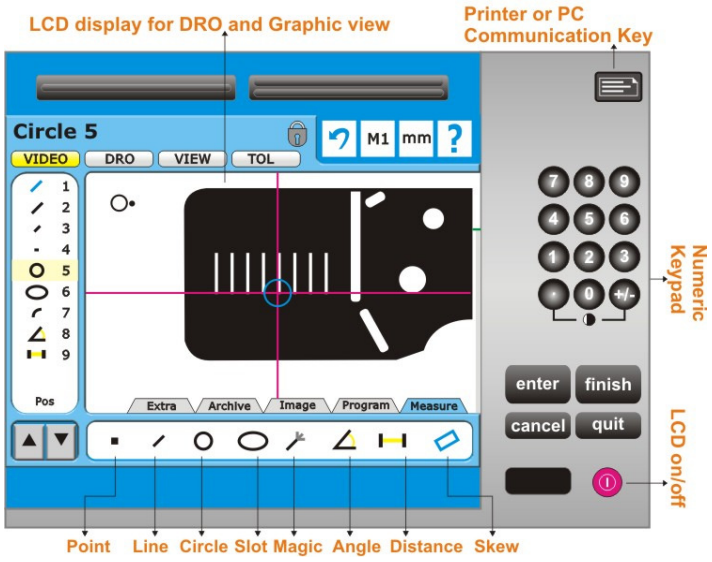
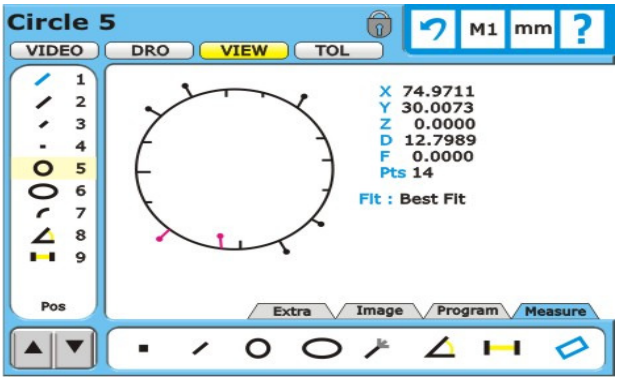

SIPCON

SPECIFICATIONS :-			
Model No:	**IMG-QC 300**		
Software	QC-300		
Measuring Range	150 X 100 X 100		
Resolution	0.005 / 0.001 / 0.0005 mm		
Linear Accuracy	(3+L/200) micron		
Repeatability	+/- (0.002) mm		
Vision	1/3" High Resolution CCD Camera		
Magnification	Optical Magnification 0.7x - 4.5x		
Video Edge Detection	Standard		
Optional Hardware	PC P4 + 17" TFT Monitor		
Illumination Surface	Fibre Optic / LED		
Illumination Contour	Halogen Lamp / LED		
Operation	Manual with Quick Release Knob		
Base Platform & Column	Metal Base		
Platform load capacity	15 kg		
Power Supply	220-240 V + /- 5%, 50/60 HZ		
Motion Control through Joystick	Optional		
Programmable Light Control	Optional		
Touch Probe	Optional		
Non-Linear Error Correction	Optional	Optional	Optional

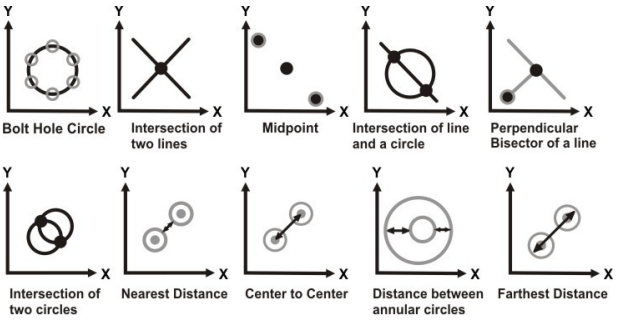
QC-300



Screen display
Four screen display on QC 300 provides D.R.O view as well as graphic representation of the feature. Switch between the two displays according to your convenience. D.R.O Screen shows the present values of X & Y coordinate axis along with the measurement results and graphic screen shows the location of points taken on the feature.



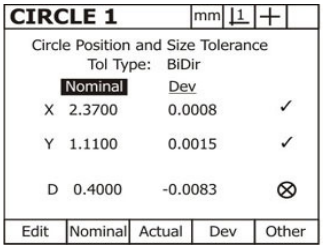
Construction capabilities
Select two or more features to create intersections or constructions. Reduces operator effort by eliminating confusing construction menus.



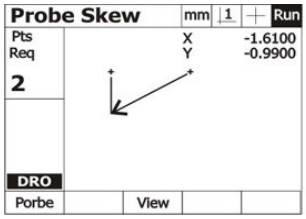
Patented feature Measure Magic

To measure, simply probe points andclick. Quadra-Chek automatically detects, the feature type being measured. Operators can inspect multiple features without taking their eyes off the part which speeds throughput, improves accuracy and reduces user fatigue.

Tolerance options
More than 15 types of tolerance setting with an on screen indication of Pass & Fail

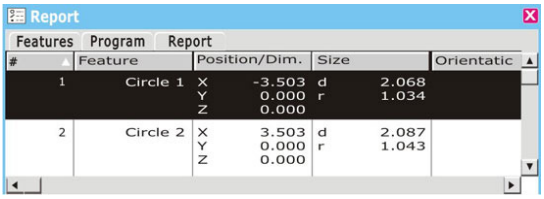


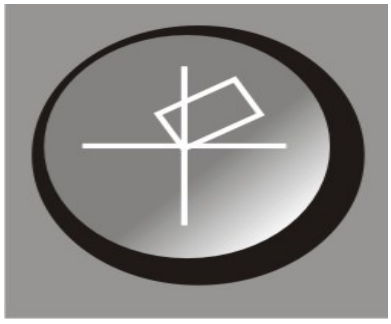
Feature	Tolerance type
Line	Positional (bi-directional, true position) Form (straightness) Perpendicularity Parallelism
Circle	Positional (bi-directional, true position, LMC, MMC) Form (Circularity) Concentricity Runout
Distance	Width
Angle	Angle
Point	Bi-driectional & True Position



Programming
Quickly and easily create, edit and run part programs.Program a measurement sequence once and run it back as-often as you need. Measure the same number of points per feature, in the identical sequence part after part. Visual cuesguide each feature measurement of a part, to assure complete and consistent data collection

Print output
Print measurement results using a serial or parallel printer in an easy to read 40 or 80 column format.





Part Alignment & Skewing
Ac curate measurement s require the part to be perfectly aligned on the coordinate measuring system. Use the skew function to convert machine coordinates to part coordinates and compensate for part misalignment

Data Management & Output
Parallel and serial ports makes it easy to transfer data to Pcs, networks and printers, while the IrDA port can be used to download measurement data to handheld PDAs and notebook computers.