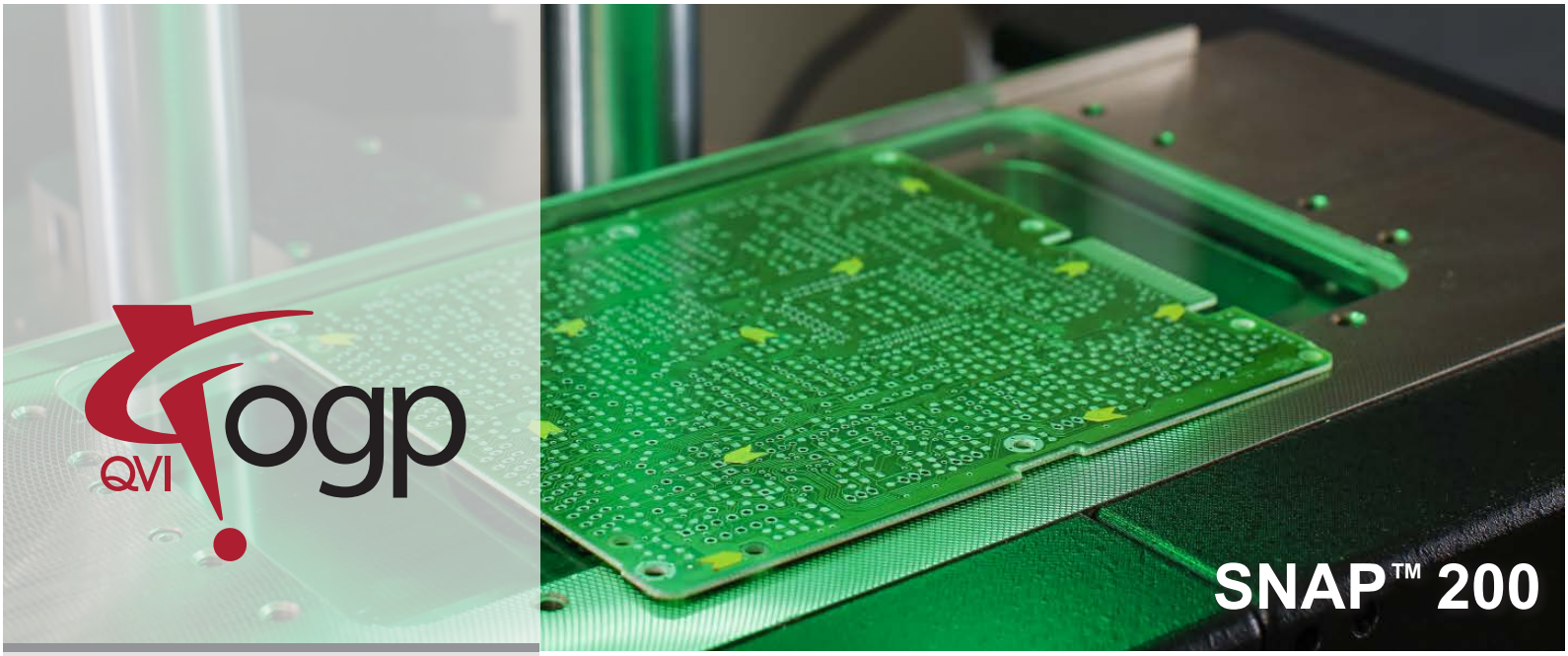


SNAP measures complex parts instantly without programming. Simply place the part on the stage and press the GO button.

- Bi-telecentric optics ensure accurate part measurements in shop conditions
- AutoID recognizes any known part in the field of view
- Automatically find and measure any unknown parts in the field of view
- Exclusive Zoom Anywhere™ technology lets you zoom in to measure details anywhere in the viewing area
- SNAP 200 offers extended measuring range and optional dual magnification optics for large and small feature measurements

Desktop digital measuring machine

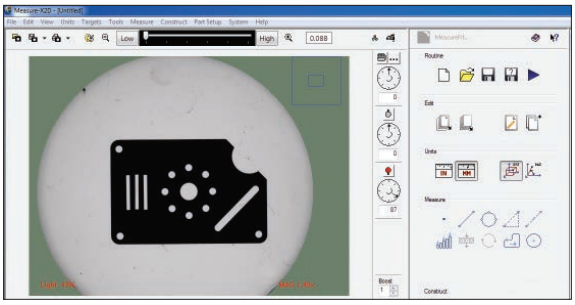
SNAP™ 200

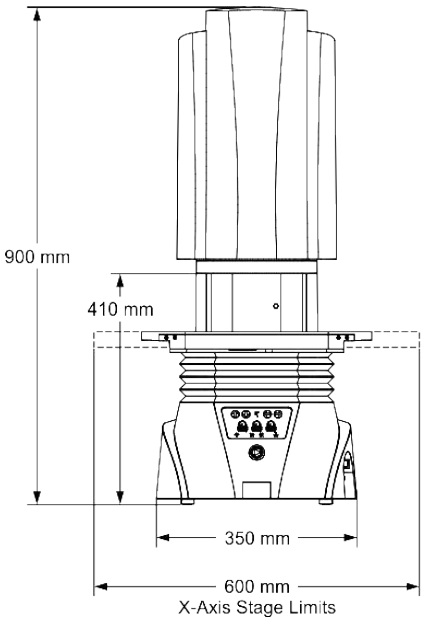
Measurements Made Simple
SNAP provides a full range of feature measurements with an unlimited number of points - with or without a pre-programmed routine. AutoID and FeatureExtractor™ allow SNAP to accurately identify, orient and measure any part in its field of view.

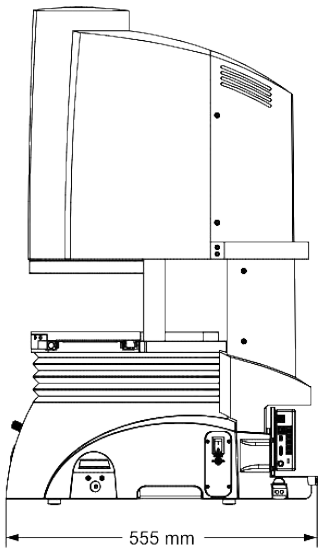
Choose the mode for your task:

- Run - for pre-programmed routines
- Measure - to automatically measure any part
- Program - to set up a part routine

To measure, just place the part on the stage and press ▶







System Weight: 60 kg

	Standard	Optional	
Measuring unit	Rigid, cast aluminum base and nickel plated worktable; 4 kg load capacity, evenly distributed		
Stage	Manual 150 mm X axis and 75 mm Z axis position adjustment	Motorized programmable 150 mm X axis and 75 mm Z axis position adjustment with push button control SNAP Miniature Rotary (SMR) indexer	
Maximum measuring range (X,Y)	205 x 55 mm	250 x 100 mm (with Large Field Camera)	
Optics	Bi-telecentric, single optical magnification	Bi-telecentric, dual optical magnification with 4X high magnification lens	
Illumination	Monochromatic LED substage profile light, and programmable 8 sector monochromatic ring light	LED monochromatic coaxial through-the-lens surface light	
Metrology camera	QVI High Density Megapixel Metrology Camera	QVI Large Field Megapixel Metrology Camera	
Maximum field of view (diagonal)	Single Mag / High Density Camera: 78 mm	Single Mag / Large Field Camera: 100 mm Dual Mag / High Density Camera: Low: 78 mm High: 19.5 mm Dual Mag / Large Field Camera: Low: 100 mm High: 45.0 mm	
Depth of field	Single Mag / High Density Camera: 20 mm	Single Mag / Large Field Camera: 50 mm Dual Mag / High Density Camera: Low: 20 mm High: 5 mm Dual Mag / Large Field Camera: Low: 50 mm High: 10 mm	
Image processing	SNAP advanced image analysis, 256 level grayscale, with 10:1 - 50:1 sub-pixel resolution		
Controls	GO button, illumination & magnification controls	Push button controls for motorized X stage, and Z motion control	
System controller *Controller configuration subject to change without notice	SNAP standard compact system controller with USB communication ports	Single flat panel LCD monitor, or dual flat panel LCD monitors; keyboard, mouse	
Miscellaneous options		Barcode reader, USB digital I/O capability, USB - Ethernet adapter, dust cover, fixture kit, peripheral support frame, calibration artifact	
Rated environment	Temperature 18 °C - 22 °C, stable to ±1 °C; 30-80% humidity; vibration <0.001g below 15 Hz		
Power	100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 160 W		
XY FOV accuracy (E_2)	**Single Magnification Optics**	**Dual Magnification Optics**	
	(4.0 + L/50) µm [1,2,3,4,5]	(4.0 + L/50) µm [1,2,3,4,5] (low mag lens)	(2.0 + L/50) [1,2,3,4,5] (high mag lens)
XY area accuracy (E_2)	(9.0 + L/50) µm [1,2,3,4,5,6]	(9.0 + L/50) µm [1,2,3,4,5,6]	(7.0 + L/50) µm [1,2,3,4,5,6]

1. Where L = Measurement length in mm. All specifications apply to a thermally stable system operated in the rated environment. | 2. Applies to the highest digital zoom level at each optical magnification. | 3. With evenly distributed load ≤ 2.5 kg. | 4. QVI calibration artifact P/N 640113 or 640685 for high density camera; 640554 for large field camera. | 5. Calibration artifacts are described in QVI publication number 790762. | 6. Measured in the standard measuring plane. The standard measuring plane is defined as a plane that is within 25 mm of the worktable surface.

QVI ogp **Confidence.** When Results Matter.™

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