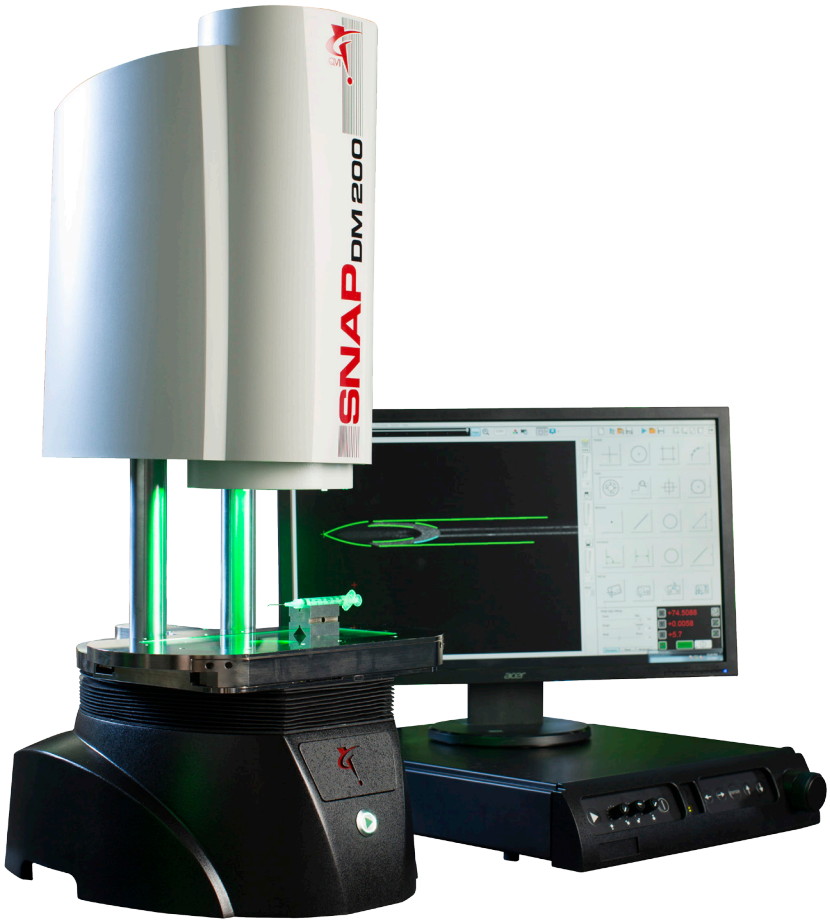
QVI® SNAP™ DM200

Full Function Digital Measuring Machine

SNAP DM200 offers extended measuring range and dual optical magnification for large *and* small feature measurement.

- 250 x 100 mm measuring range with moving stage for larger parts
- Auto-ID recognizes all parts within its viewing area – even multiple different parts
- Exclusive Zoom Anywhere™ technology lets you zoom in and measure details anywhere in the viewing area
- SNAP DM200 enables fast automatic measurement regardless of part orientation



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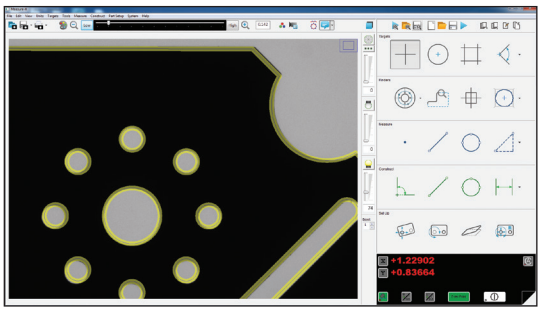
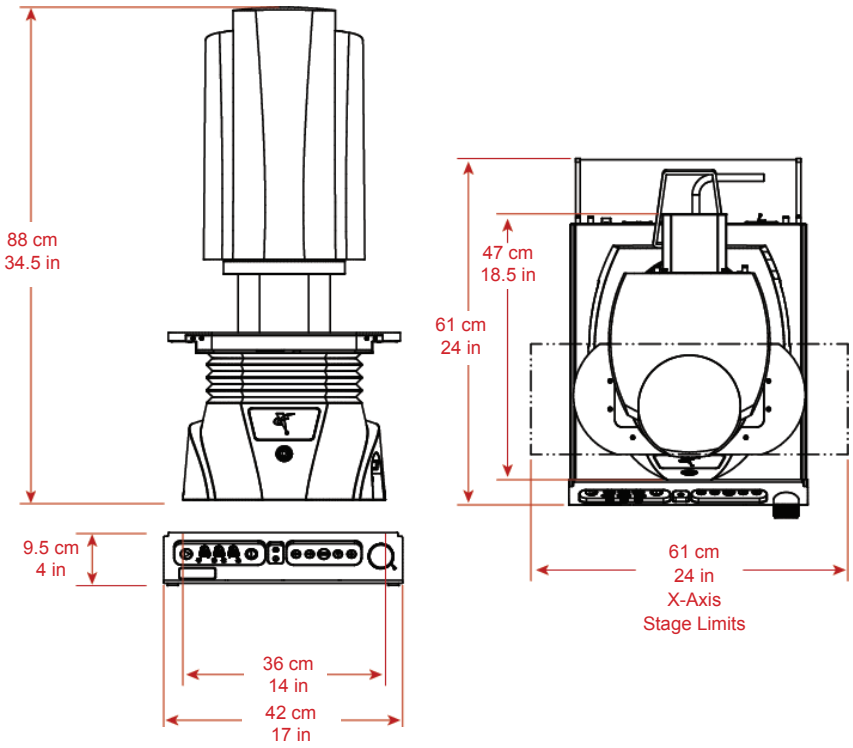
Measurement Software

SNAP measurement software provides a full range of feature measurements with an unlimited number of points and measurement steps in a routine.

To run a part routine, just place the part and press ▶

SNAP automatically identifies the part and its orientation, eliminating the need for manual setup. Programming is simple, too. Work from a CAD drawing, sample part, or simply walk up and measure.





Weight: 56 kg
125 lb

	Standard	Optional
Measuring Unit	Cast aluminum base with nickel plated worktable and 75 mm vertical position adjustment	
Maximum Measuring Range	X: 250 mm, Y: 100 mm, Z: 75 mm X: 10 in, Y: 4 in, Z: 3 in	
Stage	Nickel plated with glass insert and fixturing holes. 4 kg (8.5 lb) load capacity, evenly distributed, motorized vertical position adjustment	Rotary indexer
Stage Motion Range	X: 150 mm, Z: 75 mm X: 6 in, Z: 3 in	
Optics	Fully telecentric, dual magnification; calibration artifact available	
Field of View	Low Mag: 100 mm (4 in) High Mag: 25 mm (1 in)	Low Mag: 78 mm (3 in) High Mag: 19.5 mm (0.75 in)
Depth of Field	Low Mag: 38 mm (1.5 in) High Mag: 4.75 mm (0.2 in)	
Illumination	All-LED, substage profile light, coaxial surface light, programmable 8-sector ring light	
Camera	QVI Digital Megapixel, black and white; pixel size 5.5 µm	QVI High Density Digital Megapixel, black and white; pixel size 2.2 µm
Image Processing	SNAP advanced image analysis, 256 level grayscale, with 10:1 - 50:1 sub-pixel resolution	
Controls Unit	Push button motion control for X and Z, rotary dial fine positioning for X, light controls, start/stop	
System Controller	Windows™ Controller with Speed/Bus ICORE 5 Quad CPU, 4 GB RAM, 160 GB hard drive, 8 MB cache, serial ATA DVD/RW	Single flat panel LCD monitor, or dual flat panel LCD monitors; keyboard, mouse
Rated Environment	20 ± 2° C (rated), 15-30° C (max. operating range)	
Power	115 ± 10% / 230 ± 10% VAC, 50/60 Hz, 1 phase, 160 W	
Accuracy (E_2)	**Low Mag** / **High Mag**	
	10 µm + L/150* / 5 µm + L/150*	

*Where L = measuring length in mm. Applies to the smallest field size at each optical magnifcation. QVI calibration artifact P/N 638696 for low magnification and high magnification. Calibration artifacts must be positioned in the standard measuring plane, defined as perpendicular to the optical axis within 0.5 mm or 0.02 in, and within 5 mm or 0.20 inches of best focus. Weight not to exceed 2.5 kg or 5 lbs equally distributed on the worktable. Applies to a thermally stable system calibrated and operated within the rated environment.

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