

SNAP

Large-Field-of-View Measuring Systems

Measurements Made Simple

SNAP™ measurement systems are large-field-of-view (LFOV) video measuring machines, capable of fast, accurate measurements on a wide array of parts.

At the heart of the SNAP, OGP exclusive LFOV telecentric optics, provide an accurate image throughout the field of view (up to 100mm). Coupled with a depth of field (up to 50mm) measurements are performed with much greater speed than traditional video measurement systems.

SNAP's three programmable light sources – substage profile light, coaxial square-on surface light, and programmable 8-sector oblique ring light – let you choose the best illumination for a variety of feature types and materials. A megapixel camera designed for metrology processes the magnified image for measurement.

Software tools allow SNAP to accurately identify, orient, and measure any part on the stage without the need for fixturing, and offer a full range of measurement capabilities. SNAPshot™, AutoID, and Zoom Anywhere make it easier for the operator by simplifying measurement tasks.

Available in a variety of platform configurations, benchtop and floor-based, to match the size and quantity of parts.

SNAP Large-Field-of-View Video Measurement systems offer a unique combination of speed, accuracy, and simplicity. SNAP provides users the power to make accurate measurements, quickly and easily, from the lab to the shop floor.



Scan for more
SNAP information

100

A Size for Every Need



SNAP 100

Stage Motion	Z: 75 mm
Optics	Telecentric, Single Optical Mag
Field of View	62 mm x 46 mm
Depth of Field	20 mm
Maximum Measuring Range (X,Y)	62 mm x 46 mm



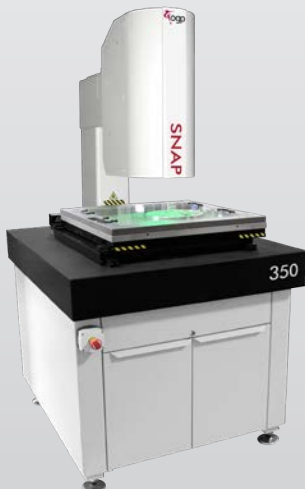
SNAP 200

Stage Motion	X: 150 mm, Z: 75 mm
Optics	Telecentric, Dual Optical Mag
Field of View	Low Mag: 100 mm Diameter High Mag: 32 mm x 32 mm (4x)
Depth of Field	Low Mag: 50 mm High Mag: 10 mm (4x)
Maximum Measuring Range (X,Y)	250 mm x 100 mm



SNAP 300

Stage Motion	X: 150 mm, Y: 50 mm, Z: 75 mm
Optics	Telecentric, Dual Optical Mag
Field of View	Low Mag: 100 mm Diameter High Mag: 32 mm x 32 mm (4x) or 13 mm x 13 mm (10x)
Depth of Field	Low Mag: 50 mm High Mag: 10 mm (4x) or 2 mm (10x)
Maximum Measuring Range (X,Y)	250 mm x 150 mm



SNAP 350

	Standard	Optional
Stage Motion	X: 350 mm, Y: 350 mm, Z: 150 mm	X: 510 mm
Optics	Telecentric, Dual Optical Mag	
Field of View	Low Mag: 100 mm Diameter High Mag: 32 mm x 32 mm (4x) or 13 mm x 13 mm (10x)	
Depth of Field	Low Mag: 50 mm High Mag: 10 mm (4x) or 2 mm (10x)	
Maximum Measuring Range (X,Y)	450 mm x 450 mm	610 mm x 450 mm

Choose the Software That's Right for You

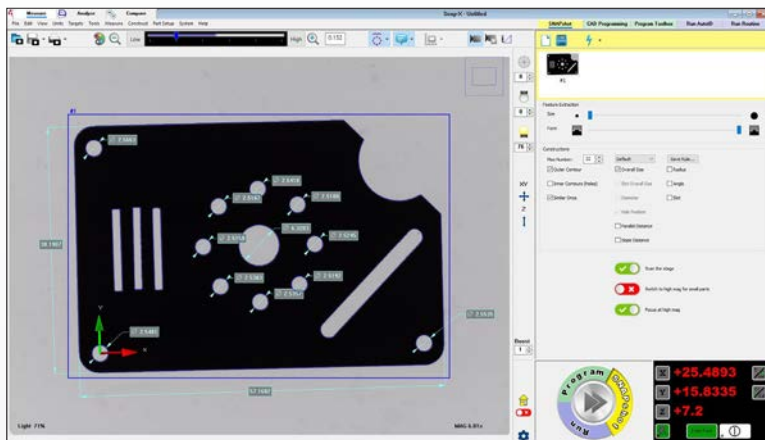
SNAP-X

SNAP-X is a simple, powerful interface with a full range of feature measurements. SNAP-X software has three modes to allow for a range of different uses.

Measure: Place the part on the stage, press the GO button. SNAP scans the image and measures all discernible features. Measurements can be viewed with no further action, or automatically saved as a measurement program.

Analyze: Gives SNAP users the ability to address more complex GD&T requirements such as profile or true position. The display and reporting capabilities provide both graphical, color coded whiskers of deviation, and GD&T callouts on the part CAD.

Compare: Compare the live video image to the CAD overlay as with an optical comparator, but with much greater resolution. Color coded tolerance bands help to identify if a part is within tolerance.



ZONE3

ZONE3® is fast, capable, and easy to use regardless of which member of the ZONE3 family you use – Express, Prime, or Pro.

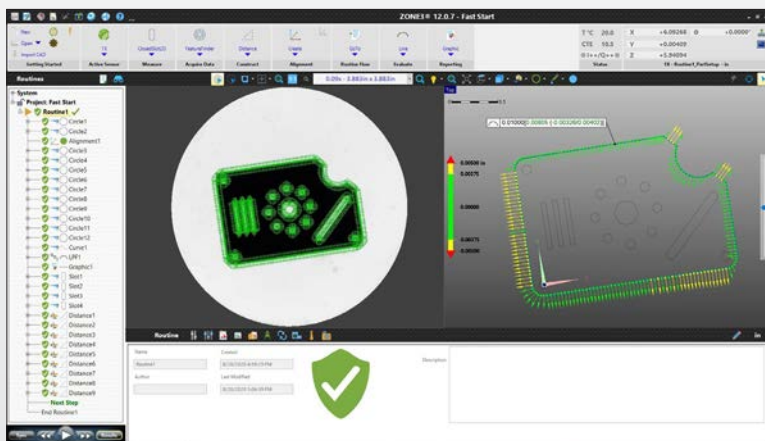
Parallel Processing combined with intelligent routine Optimization can be used to measure as many features as can be seen simultaneously.

ZONE3 recognizes ASME Y14.5 and ISO 1101 standards for GD&T and results can be output graphically to truly visualize the result.

ZONE3 Express offers full measurement capabilities and tools, basic GD&T functionality, and the ability to work with 2D CAD files.

ZONE3 Prime offers all the functionality of Express, plus full 3D CAD capability and advanced GD&T functionality.

ZONE3 Pro adds enhanced productivity and analysis tools as well as the LaunchPad operator interface and modules for thread and gear evaluation.



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