QVI ogp

Measurements Made Simple

Large-Field-of-View, Digital Measuring Systems

QVI® SNAP™ measurement systems use its unique large-field-of-view (LFOV) optical system to measure small parts with fine features. SNAP combines a high resolution digital metrology camera with specially designed optics and lighting to produce high accuracy images, even in shop-floor conditions.
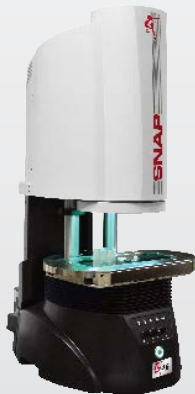
All SNAP systems are simple to use. Single parts, multiple parts - even a mixture of different parts – are all measured automatically.

SNAP measurement systems are offered in three configurations to suit a wide range of measurement needs.

SNAP 100

	Standard	Optional
Stage Motion	Z: 75 mm, Manual	Z: 75 mm, Motorized
Field of View	78 mm Diagonal	Low Mag: 100 mm Diameter High Mag: 42 mm Diagonal
Optics	Telecentric, Single Optical Mag	Telecentric, Dual Optical Mag
Camera	QVI high density megapixel metrology camera	QVI LFOV megapixel metrology camera
Depth of Focus	38 mm	Low Mag: 38 mm High Mag: 10 mm
Measuring Range (Low Mag)	78 mm Diagonal	100 mm Diameter

SNAP 200

	Standard	Optional
Stage Motion	X: 150 mm, Z: 75 mm, Manual	X: 150 mm, Z: 75 mm, Motorized
Field of View	78 mm Diagonal	Low Mag: 100 mm Diameter High Mag: 42 mm Diagonal
Optics	Telecentric, Single Optical Mag	Telecentric, Dual Optical Mag
Camera	QVI high density megapixel metrology camera	QVI LFOV megapixel metrology camera
Depth of Focus	38 mm	Low Mag: 38 mm High Mag: 10 mm
Measuring Range (Low Mag)	205 mm x 47 mm	250 mm x 100 mm

SNAP 300

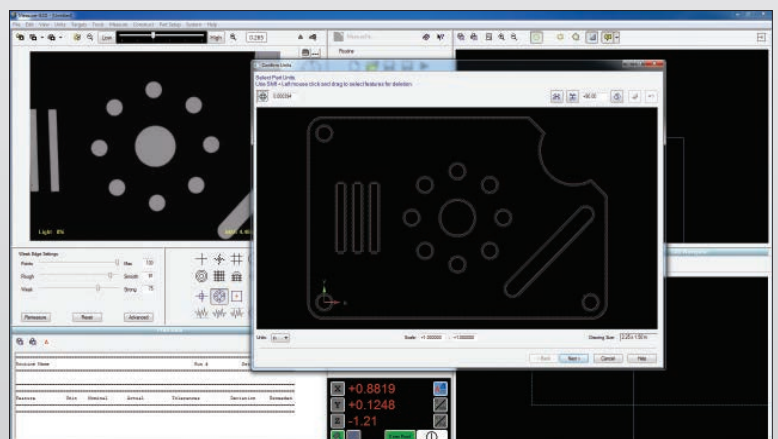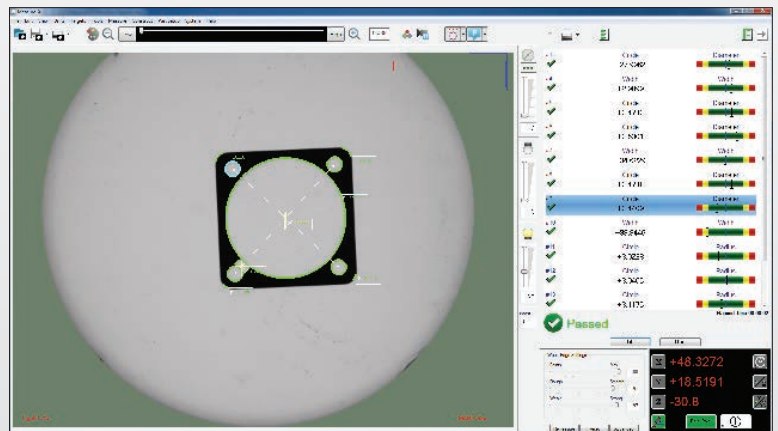|	Standard	Optional
Stage Motion	X: 150 mm, Y: 50 mm, Z: 75 mm, Motorized	
Field of View	78 mm Diagonal	Low Mag: 100 mm Diameter High Mag: 42 mm Diagonal Ultra High Mag: 16 mm Diagonal
Optics	Telecentric, Single Optical Mag	Telecentric, Dual Optical Mag
Camera	QVI high density megapixel metrology camera	QVI LFOV megapixel metrology camera
Depth of Focus	38 mm	Low Mag: 38 mm High Mag: 10 mm Ultra High Mag: 4 mm
Measuring Range (Low Mag)	205 mm x 97 mm	250 mm x 150 mm

SNAP Metrology Software

The **SNAP** software features AutoID, Feature Extraction and a simple user interface for easy shop floor operation.

SNAP has 3 modes:

Measure mode allows you to instantly measure one or more parts at the press of a button, even if the SNAP has never seen the part before

Run mode is a simplified user experience that allows you to run existing part routines in a more controlled manner at the press of a button
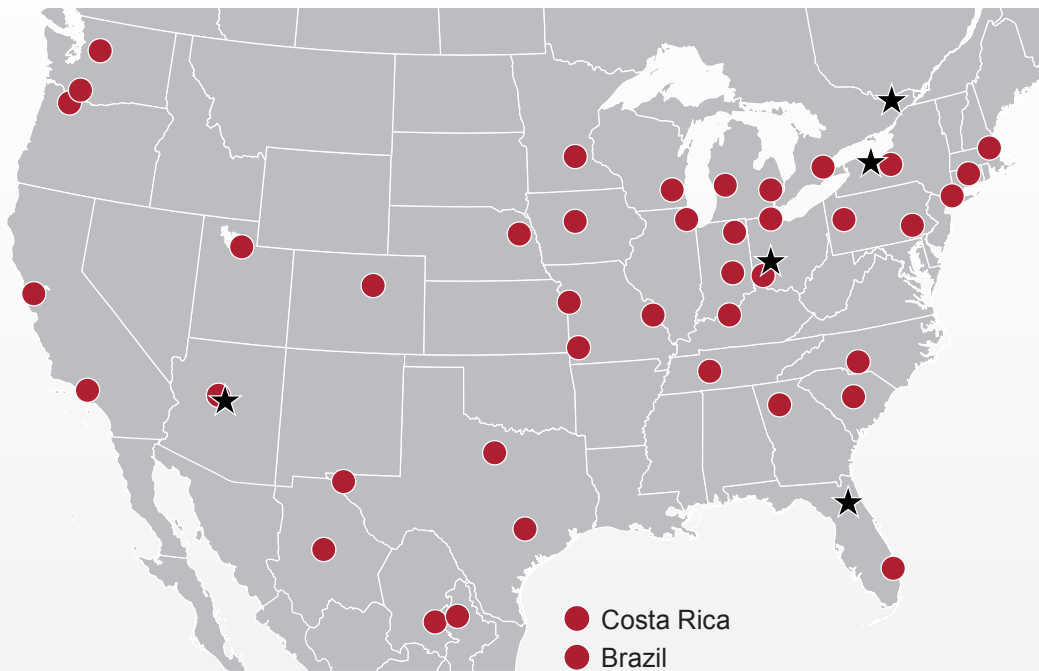
Program mode lets users create, save and re-use part routines

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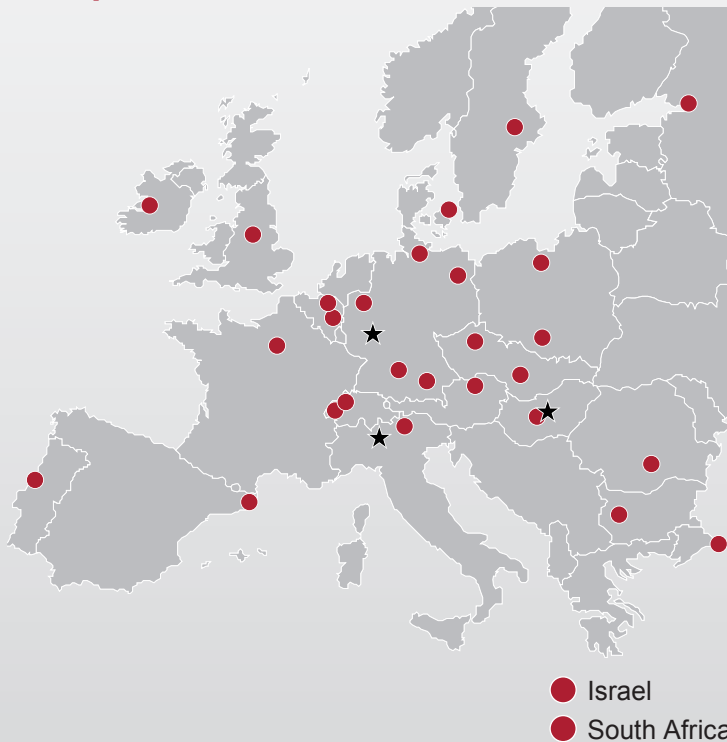- Tempe, AZ, USA
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