



SNAP Full Function Digital Measuring Machine

QVI® SNAP™ may be the most productive machine in your shop. SNAP makes complex measurements easily and accurately. Simply place a part on the stage, select the routine, and press Run.

Get the Big Picture

SNAP can measure anything within its generous 78 mm field of view. Telecentric optics accurately measure parts more than 35 mm thick at the highest magnification, or up to 75 mm thick at the lowest. With 75 mm vertical stage adjustment, parts taller than 100 mm can be measured.

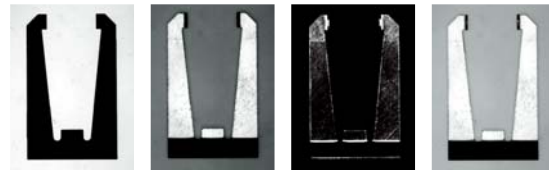
High Definition Video

A custom megapixel camera provides high definition video images. Native Video™ image processing lets you zoom in on any part of the field of view to isolate and measure small details with up to 50 nanometer resolution — all without moving the part.

Flexible Illumination

SNAP's lighting package uses only cool-operating, high-brightness LEDs. With backlight for profile projection, square-on top light for looking into bores and cavities, and an 8-sector programmable ring light for highlighting surface features, it's easy to find the perfect lighting combination for any part.

Lighting flexibility



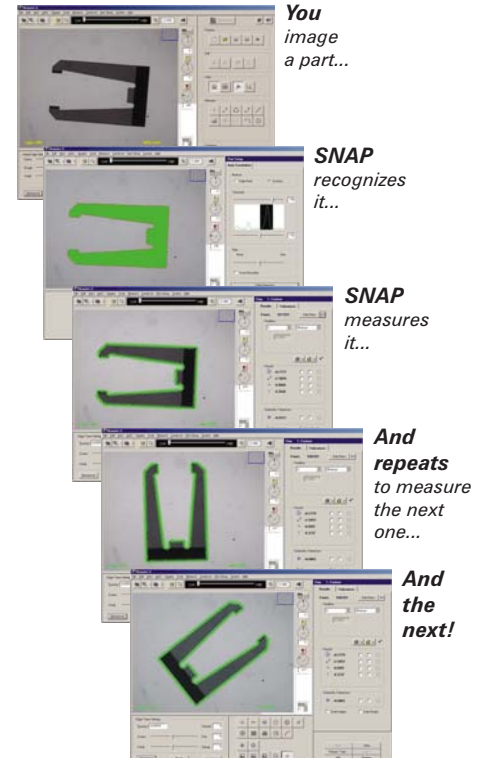
 Profile
  Surface
  Oblique
  All

Measure-X 2D - The Ultimate in Capability

Measure-X® 2D metrology software provides a full range of feature measurements with no limit on number of points or measurement steps in a routine. Programming is easy — start with CAD import, work from a sample part, or just place a part and measure. Measure-X's unique AutoCorrelate function allows parts to be placed on the stage in any orientation — SNAP recognizes the part and measures with no operator set-up required. Just place the part and press ▶.



A simple give & take...





SNAP Features & Technical Specifications

- Measuring unit** Cast aluminum base with nickel plated stage, manually adjustable 75 mm vertical position adjustment with rotary lock
- Optics** Fully telecentric
- Field of View** 78 mm to 19.5 mm, in 6 digital zoom steps
- Depth of Field** 75 mm, Low Mag; 38 mm, High Mag
- Camera** QVI custom digital megapixel, monochrome, pixel size 2.2 μm
- Illumination** All-LED, substage profile (green), coaxial surface (green), programmable 8-sector ring light (red, green, or combination selectable by segment)
- Computer** Intel® Core 2 processor, 4 GB RAM @ 2.66 GHz, 160 GB HDD hard drive, Windows™ 7 OS, 33 x 38.1 x 13.3 cm (LWH)
- Computer accessories (optional)** Single 22" or 24" flat panel LCD monitor, or dual 22" flat panel LCD monitors; keyboard, mouse (or user supplied)
- Minimum monitor resolution** 1600x1200 on standard 4:3 monitor
1680x1050 on widescreen 16:10 monitor
1920x1080 on widescreen 16:9 monitor
- Software** Measure-X® 2D metrology software
- Image processing** Native Video™ advanced image analysis, 256 level grayscale, with 10:1 - 50:1 sub-pixel resolution
- Temperature**
Rated 20 \pm 2° C
Safe operating 15 - 30° C
- Power** 100/240 vac \pm 5%, 50/60 Hz, 1 ϕ , 300 W
- Stage load capacity** 20 Kg

	Low Mag	High Mag
Feature Size	5 μm	2 μm
Repeatability (2σ)		
Accuracy (E₂)	10 μm + L/150*	5 μm + L/150*

*Where L = length in mm

Large field-of-view



Six digital zoom magnifications



Available from:



Manufactured by:



Rochester, New York, USA

