Global-Vision Engineering
16A Drouin D.D.O. Que. H9A 2H1
Tel: (514) 421-2687

PRODUCT LIST

1) Video-Caliper (TM)

Usage: Non-contact Optical Measurement tool.

Components:
- IBM Computer
- Video Camera (Mounted on Copystand)
- Video Monitor
- Foot Pedal
- Soft-Caliper(TM) - Constant pressure gravity Caliper (N.B: Camera sees only the front prongs for measurement input. Rear prongs for H & S measurements.

Measurements:
- Thread (T)
- Bead (B)
- Neck (E)
- Height (H)
- Thread (S)

(N.B: These measurements require use of Soft-Caliper(TM) for uniform measurements.)

Average Measurements (360 Deg):
- Thread (T)
- Bead (B)
- Neck (E)

(N.B: Use of Iris required to expose features to be measured by camera.)

Units: Inches or Millimeters

Go-No Go: Automatic computer decision of measurements - Accept/Reject as defined by preset Min/Max tolerances.

Statistics: Measurements are automatically recorded for full statistics capability.

2) Flaw Detector

Usage: Detection of flaws in any material or surface including printed matter. A master is compared against a production sample to automatically detect differences whether components are missing or erroneously added to the production sample.

Demonstration: The words "Global-Vision Engineering" have been stored in computer memory as the master. A production sample with an "e" missing from the word "Engineering" is compared using the "Template Matching" technique. A comparison is also performed using the "Flashing" technique in both normal and reverse video modes.

3) Zoom Utility

Usage: To magnify a product feature for quality inspection.

4) Video Color-Meter

Usage: A densitometer (Gray-scale) to compare a reference color to a sample color. First, a reference is shown to the video camera, then a production sample. The measurement of the reference and the sample color is displayed on the computer monitor.

Demonstration:
Two plastic caps are compared.
(N.B: 0=Black 127=White)

5) Shape Analyzer

Usage: To compare a reference product shape to a production sample shape.

Menu: 1) SAVE IMAGE
2) COMPARE IMAGE

Demonstration:
Two plastic bottles are compared for differences in shape due to cooling or production problems.

6) Automated Box-Counter (PFC)

Usage: Electronic counter for Printed Folding Cartons (PFC). Operators pass the scanner over the PFC's and read the quantity on the LED display.

Demonstration: A stack of 25 PFC's are scanned.

7) Color & Opaque Meter

Usage: Designed for plastic bottles and caps, this meter displays an output to an analog meter which represents the products color and opacity.

The meter is designed for reading through one wall of a plastic bottle by positioning the probe inside the bottle.

A sensitivity dial is supplied to penetrate thick plastic.