

# Application Sheet - Snack Foods

## Colour Measurement Results

### Application

The application is to measure the colour of snack products on-line, typically employing compensation for changes in product depth.

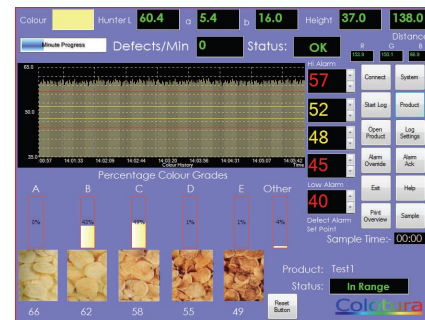


### Method

The Senware colour system typically reads colour in the widely accepted L a b standard (other scales possible). Each measurement point determines when a biscuit is under the sensor .

These results can be converted to 4 - 20 mA signals for each of the L, a and b signals for each sensor , or read across an industrial bus solution such as Ethernet/IP etc.

Graphical representation of the data is also available as an option , with 'L' histogram and 'Defect' counting



### Reasons for Senware 's Colour System

- 1) The Senware colour system uses Laser height measurement to compensate for changes in product height
- 2) The system uses a solid state white light with no moving parts generating no internal heat.
- 3) The system is easy to use and set up
- 4) Multiple measurement points means typically the colour from both sides of the line and middle can be measured.
- 5) The option of graphical colour grading software is available, to display a histogram of 'L'.

### Typical Colour System Sensor Installation :-



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