

# 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.

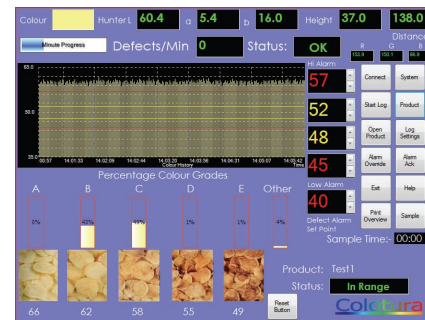


### Method

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 :-



### Senware Limited

Unit 4, Adelaide House  
Corbygate Business Park  
Corby, Northants. NN17 5JG

### For More Information :-

Tel:- +44 (0)1536 408066  
Fax :- +44 (0)1536 407813  
Email :- [sales@senware.co.uk](mailto:sales@senware.co.uk)  
Website [www.senware.co.uk](http://www.senware.co.uk)



Sales & Service Benelux: M.C. TEC  
Distributiestraat 73 4283JN Giessen, Netherlands  
Phone: +31 0183 445050 | [www.mctec.nl](http://www.mctec.nl) | [info@mctec.nl](mailto:info@mctec.nl)