M.C. TEC

Senware

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
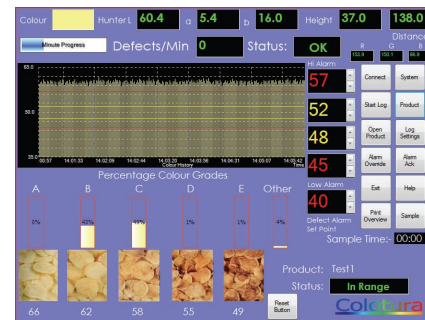
Reasons for Senware 's Colour System

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 :-