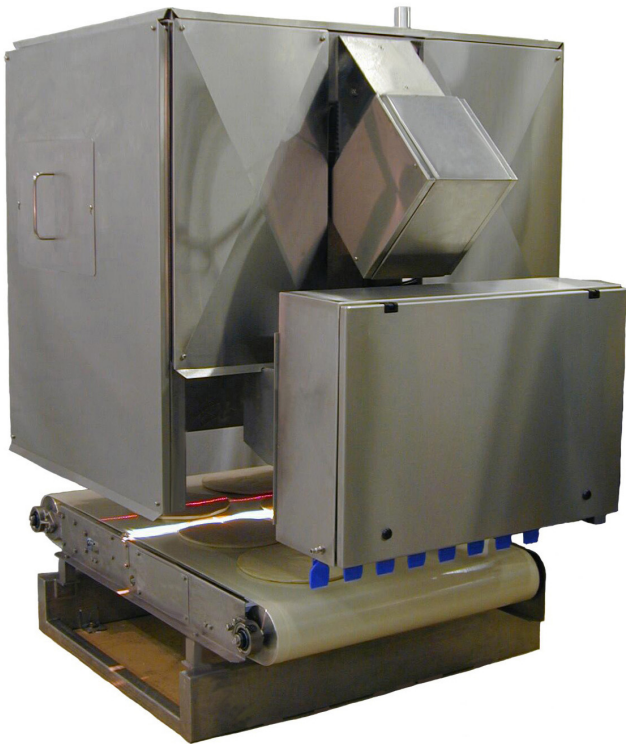


MONTROSE TECHNOLOGIES INC.

CS24/In-Line

100% Inspection/Rejection System



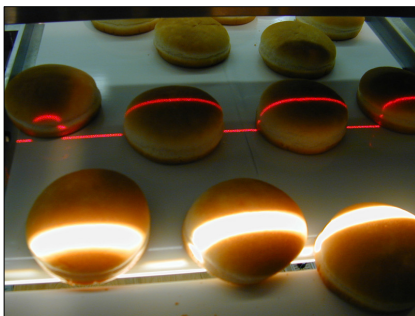
Key Benefits:

- *Flexible measurement capabilities; can analyze products from 1" to 36" long*
- *Performs 100% inspection, with optional automatic rejection of defective products*
- *Allows customers to create customized analysis methods for all products*
- *Built-in SPC module, including histograms and control charts*
- *Full data storage and historical reporting*
- *Simple to setup, calibrate and operate*
- *Can integrate external devices such as weigh scales and moisture sensors*
- *Performs complex analysis, such as:*
 - *Diameters (min, max, mean)*
 - *Heights (max, mean)*
 - *Slopes (mean, end-to-end, evenness)*
 - *Bake Color (Average w/o topping, Edge, Center)*
 - *Topping (Color, Coverage)*
 - *Length/width*
 - *Surface area and Volume*

System Description

The CS24/In-Line is a turn-key system which can be easily inserted in production lines in order to continuously measure critical shape and color characteristics of baked products.

The system uses a high-speed, non-contact imaging method to quantify a wide range of object information such as color, topping coverage, heights, diameters, slopes, lengths and a wide range of calculations such as ovality and surface texture. These calculations are also customizable, and allow users to create unique results such as true bake color (without topping), edge and center color, roundness of top surface, and more.



Analysis results are displayed in real-time on a simple display screen. Operators can view the individual results in numerical format, in a trend graph or in a histogram format. Statistical results such as standard deviations and Cpk's are also displayed. Analysis data is automatically archived to a database for further analysis and report generation.

System options include NEMA4X rating, external horn alarms, additional display screens, analog output signals (to control ovens), and an automatic rejection device.

System Features

Each CS24/In-Line System can be installed directly over production conveyors, and comes as a complete, turnkey package, including:

- Sensor Head with 3D Laser Profiling
- Integrated low-profile conveyor
- Inspection Software, including SPC module with charting and statistical analysis
- User-configurable analysis and data storage (Microsoft Access format)
- Passive backplane Pentium computer, including Ethernet card, high-speed modem, and UPS
- Flat panel, VGA touchscreen

