KPM
WE CRAFT ASSURANCE

Breaded Poultry

The manufacture of breaded poultry involves many variables that can impact consistency and quality. The ability to monitor key product attributes using vision inspection systems and real-time inspection software, based upon user-defined specification limits, allows you to identify and respond to production issues quickly and effectively.

Additional Data

- Predicted Weight
- Bun Coverage %
- Foreign Objects
- Slope Analysis
- Average Color

Bun coverage deficiency

Overhang area

Breading Void

Overhang area
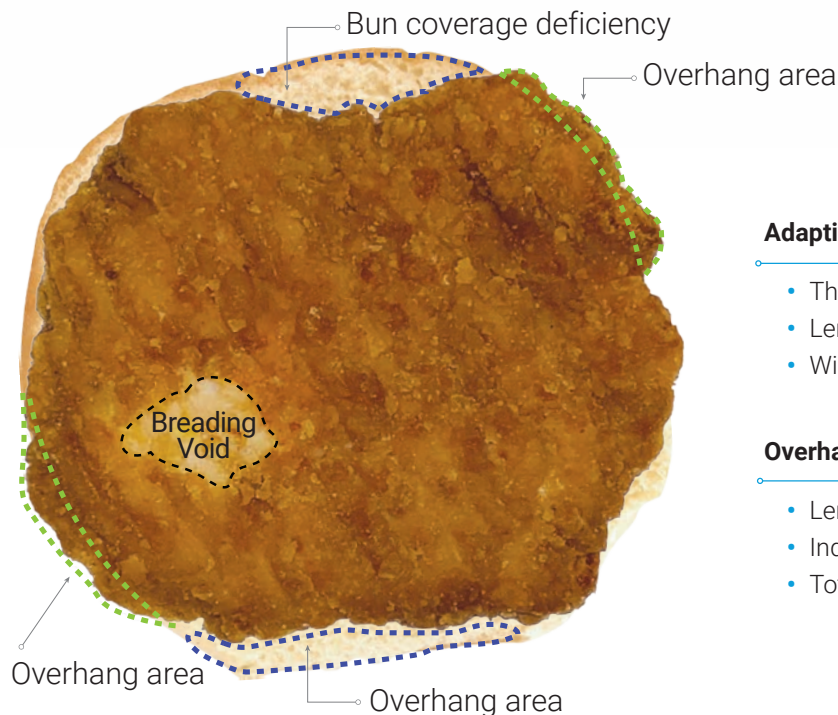
Overhang area

Adaptive Measurements

- Thickness
- Length
- Width

Overhang Data

- Length & Max Length
- Individual Area
- Total Area

HEIGHT 3D ANALYSIS

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Min, Max, Avg, Thickness	The lowest, highest, average and filtered height of the object when resting on a flat surface; calculated by taking the average of the 'N' highest points measured on the top surface (N is user-configurable).
Adaptive Thickness	The highest region of the object analyzed using customized filters to ignore high or low spots in order to calculate the most representative and meaningful thickness value of the object.
Volume & Weight	The calculated volume of the object as determined by the surface area and mean height. Can be used with average density entered into the system to derive predicted weight.

3D Geometry Analysis

SIGHTLINE
a KPM brand

EyePro System
a KPM brand
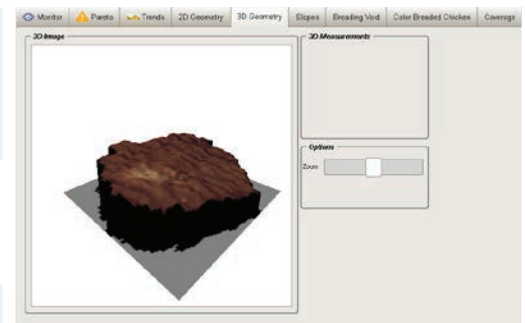
KPM Inspection Product Brands

Virtually any food product can be measured using KPM Vision Inspection imaging technology, either directly during the production process (Over-Line / In-Line) or using a Benchtop Inspection System (Off-Line).

Below are some of the measurements available specific to breaded poultry.
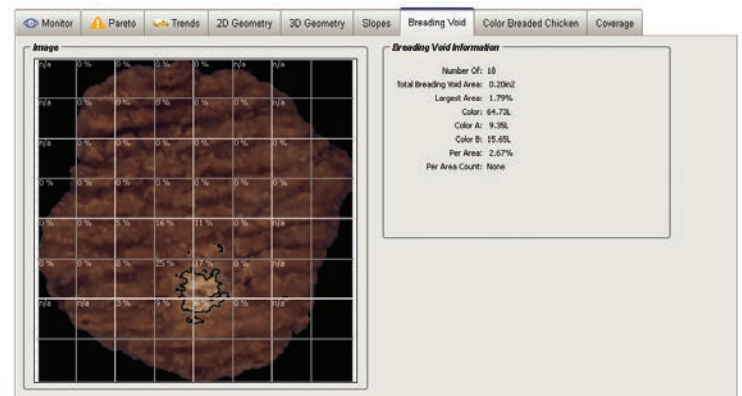
OVERHEAD 2D ANALYSIS

Bounding L & W	The length and width of the object as measured by enclosing the object in the smallest possible rectangle ("Bounding Box")
Center L & W	The length and width of the object as measured down the central axis of the Bounding Box.
Min, Max, Avg L & W	The minimum, maximum and average lengths / widths parallel to the center length / width.
Adaptive L & W	The length of the object as measured following the curvature of the long axis and the largest width of the object as measured perpendicular to this curve.
Surface Area	The total surface area of the object (mm^2 or in^2).
Breading Void Area %	The area of the object that is not covered in breading/coating.
Product Color	The average color of the product across the surface area.
Overhang Data	The maximum length or area that an object would overhang a reference object (i.e. a bun).
Coverage Deficiency	The percentage of coverage of the object when overlaid on top of a reference object (i.e. bun).

Bounding box and adaptive measurements
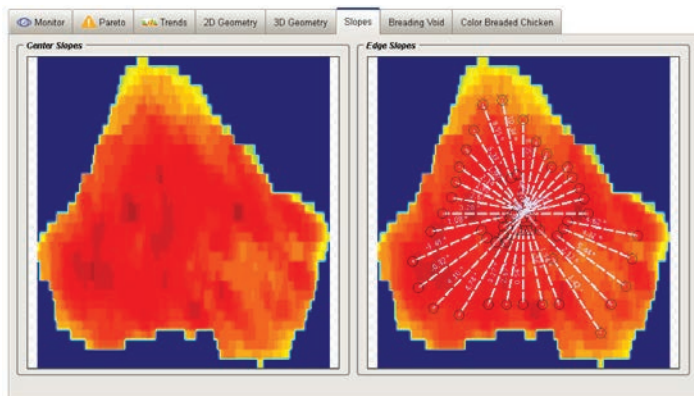
Detailed Slope Analysis

Breading Void Analysis