

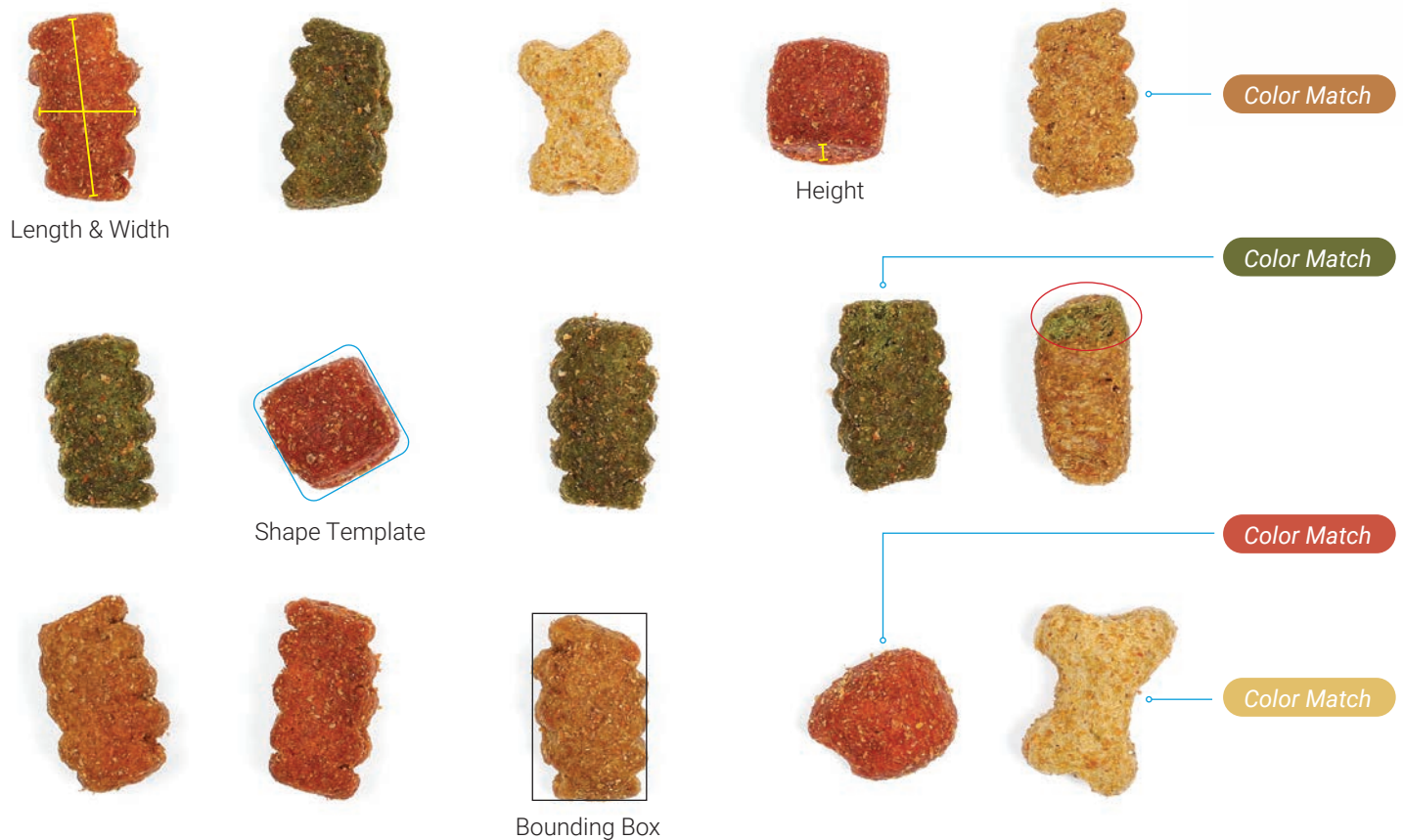


Pet Food and Snacks

APPLICATION BRIEF

Virtually any pet 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/At-Line).

Below are some of the measurements available.



MEASUREMENTS

Standard Measurements

Length, width, piece count, broken pieces, volume, ovality/roundness, average color, color blobs/regions, irregular border (rough edges).

Advanced Measurements

Shape template matching, thermal heat seal inspection, adaptive length & width, regions of interest (e.g. holes), foreign material detection.

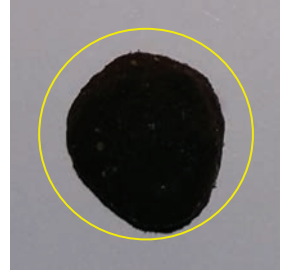
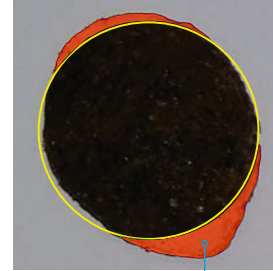
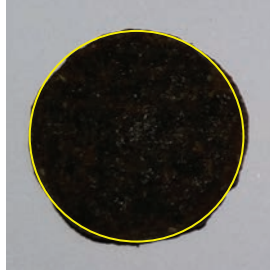
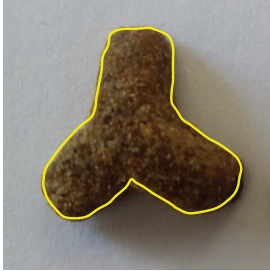
SHAPE TEMPLATE MATCHING

- Template match percentage
- Percentage outside template

Target

Over-Sized

Under-Sized



Overhang

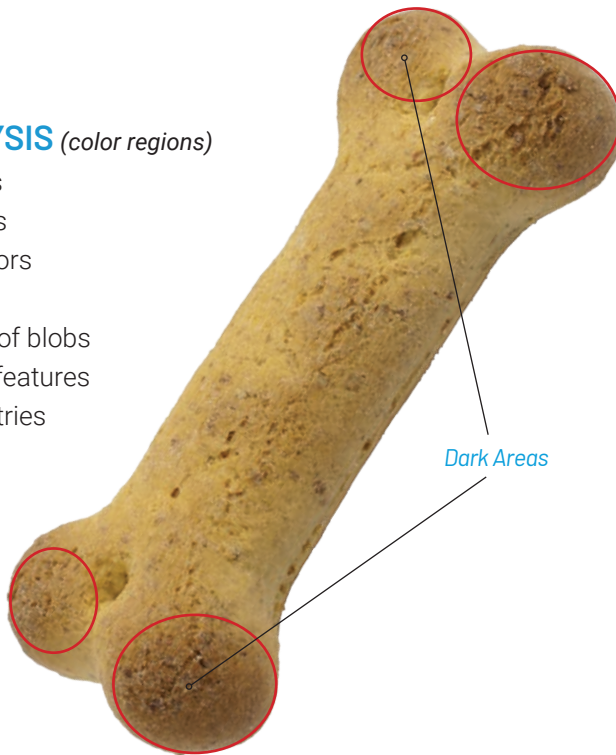
Areas that protrude past the template boundaries

BLOB ANALYSIS (color regions)

- Dark regions
- Light regions
- Irregular colors
- Toppings
- Distribution of blobs
- Location of features
- Blob geometries



Irregular Color



Dark Areas

REGIONS OF INTEREST



Hole Analysis

- Location of hole
- Diameter of hole
- Longest L & W across

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