



# Vision Inspection Technology for the Baking and Snack Industry

## IMPROVE QUALITY

Avoid recalls and  
protect your brand

## MAXIMIZE PRODUCTIVITY

Feedback controls  
react to your  
production issues  
in real time

## REDUCE WASTE

Provides you better  
data to make better  
decisions

## CONTROL PRODUCTION

Labor savings and  
increased efficiencies  
in your facility

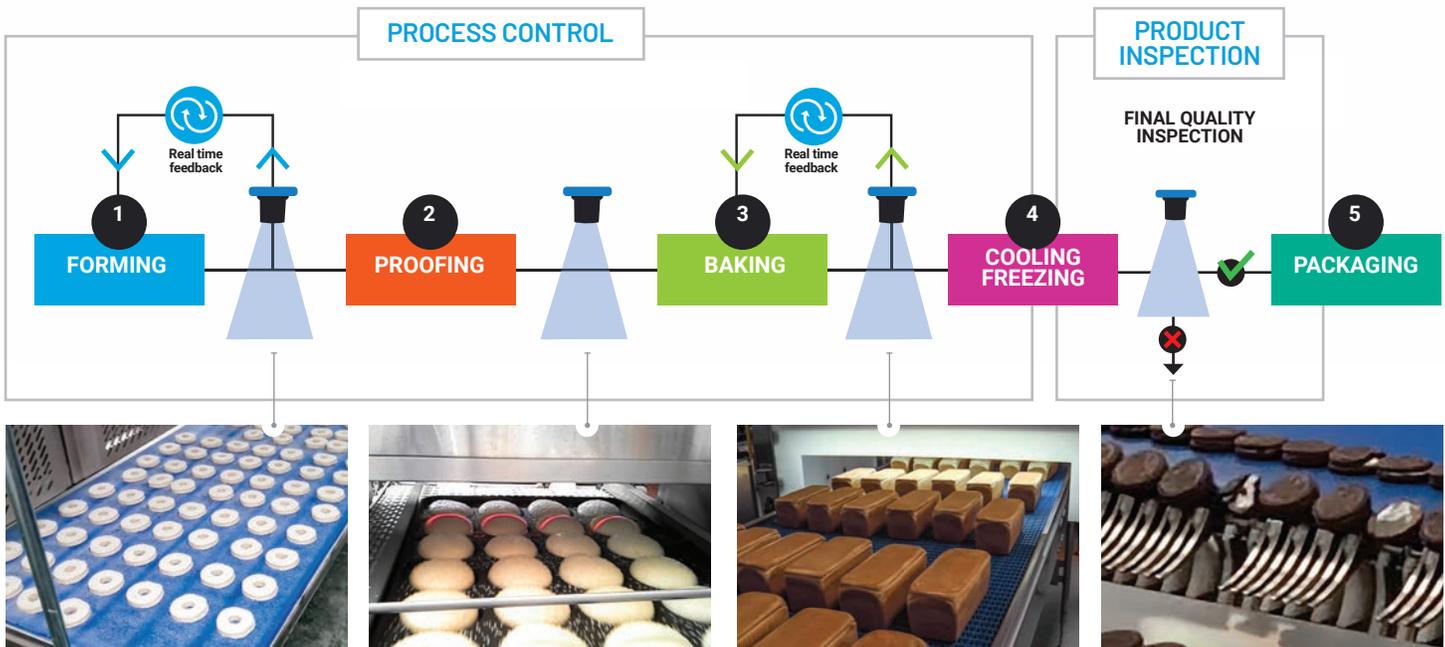


# Vision Inspection Solutions

## VISION-BASED QUALITY INSPECTION THROUGHOUT PRODUCTION

KPM offers a range of inspection solutions designed specifically for your products and facilities. All systems serve to collect, analyze, and display data to your team. This **critical information** helps drive decisions to optimize efficiency and reduce waste generation throughout your process.

**Vision Process Control** solutions are installed at key production stages where data visualization and optional direct feedback integration can automatically act to keep process performance on target. **Final Product Inspection** solutions are installed just before packaging to ensure that products going out the door meet your specifications.



## SOLUTIONS TO MEET YOUR NEEDS

**Q-Bake Online Systems** analyze every single product on your line to continuously monitor key process and product attributes.

- **Easy integration** into your existing production line
- **Hygienic design** options to meet food production facility standards
- Available product specific **rejection mechanism** to remove defective products
- Established solutions for a **wide range** of products and processes

**Off-line Systems** analyze manually fed samples from production and product batches.

- **Accelerate** existing QA/QC and product development practices
- **Reduce human error** with accurate, objective measurements
- Suitable for factory floor or lab environments
- Collect samples from **multiple lines** or batches
- Integrates with weight, moisture and temperature **monitoring devices**



## VISION INSPECTION & MEASUREMENT CAPABILITIES

<p><b>2D-SHAPE</b> Diameters, length, width, roundness</p>	<p><b>TOP COLOR</b> Bake color, topping conformity, spot detection</p>	<p><b>BOTTOM COLOR</b> Bake color, flour marks, burnt areas, foreign color anomalies</p>	<p><b>3D-HEIGHT</b> Peak height, slope/symmetry</p>
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## MACHINE LEARNING & AI

### Automatic Learning & Classification

BIRD ELEPHANT ELEPHANT  
FISH FISH BIRD

### Anomaly Detection

## HYPERSPECTRAL IMAGING

### Foreign Body Detection and Classification

Paper Rubber Wood Plastic

### Moisture Measurement and Distribution Mapping

TRUE COLOR IMAGE MOISTURE MAPPING (10 MIN) MOISTURE MAPPING (20 MIN)

LOW MOISTURE HIGH MOISTURE

## STATISTICAL ANALYSIS & REAL-TIME INFORMATION

REAL-TIME DATA AND STATISTICS DISPLAY

WEB-BASED STATISTICAL ANALYSIS AND REPORTING

Upper Color: 60.4  
Lower Color: 48.9  
Mean Diameter: 99.3  
Roundness: 92.0  
Height: 52.0  
Slope: 15.9

REAL-TIME PROCESS MONITORING DASHBOARDS

Smart Factory  
INDUSTRY 4.0 READY  
Data Analytics  
IoT

INTERFACE WITH MES AND SCADA SYSTEMS

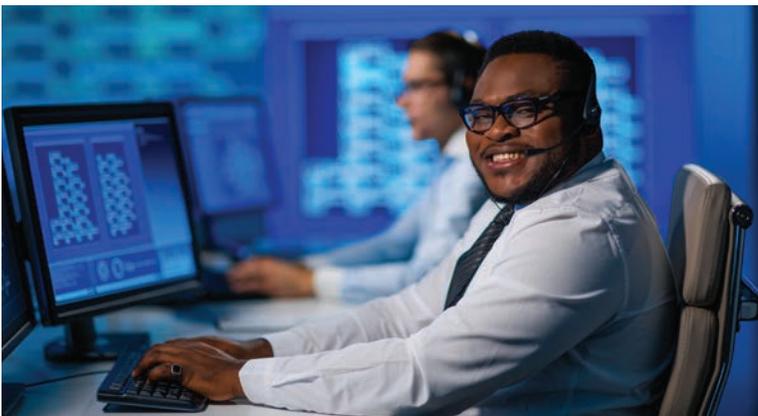
## A TRUSTED PARTNER

Hundreds of top food producers around the world trust vision system technologies from KPM Analytics to help them deliver quality products, consistently, and protect their brand. The EyePro product brand has been active in the food industry for over two decades and brings the most experience to design and build vision systems that fit your product and operations.

KPM Analytics customers are supported by our global sales, service, and authorized distribution network. Contact us for local distribution and representatives in your country.



## SERVICE AND SUPPORT



KPM Analytics provides the highest quality installation, hardware and software upgrades, training, remote support, annual maintenance, and extended warranties. Our KPM Academy provides an online resource for operators to view educational courses on product function and basic maintenance.

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