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
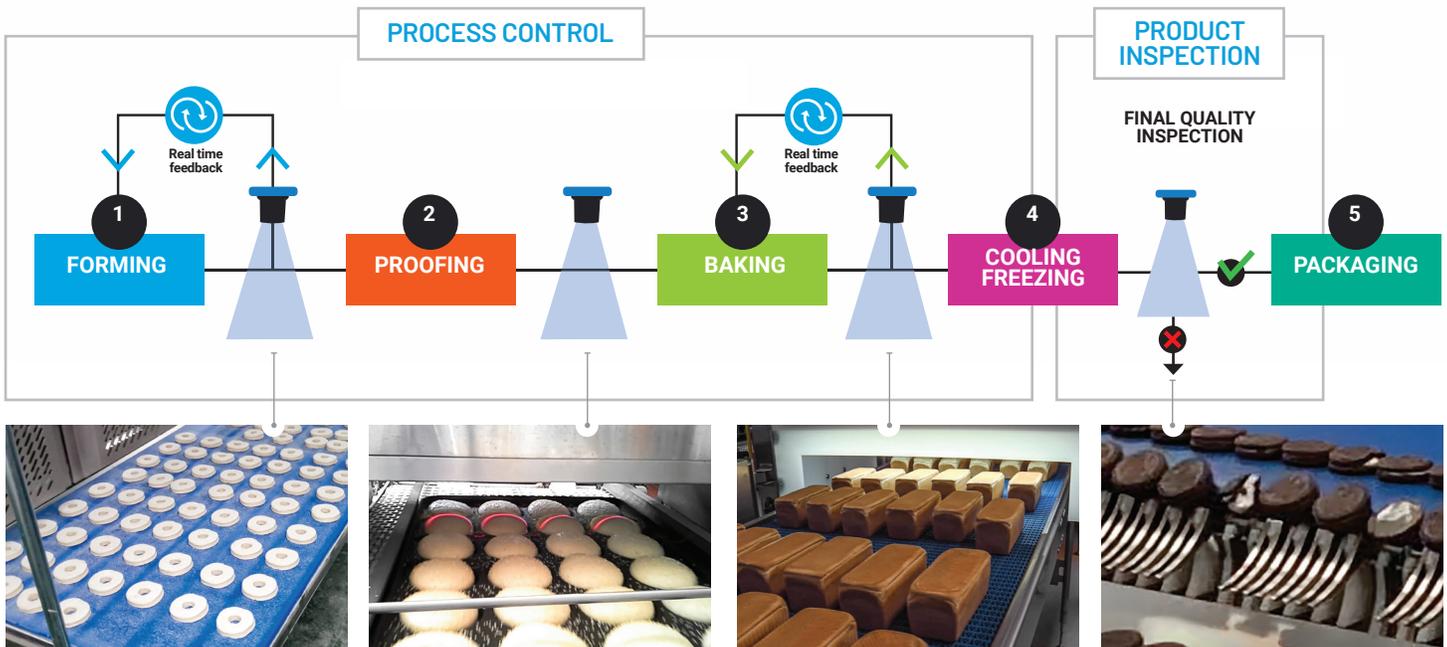Labor savings and increased efficiencies in your facility

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.

PROCESS CONTROL

PRODUCT INSPECTION

FINAL QUALITY INSPECTION

Real time feedback

Real time feedback

1 FORMING

2 PROOFING

3 BAKING

4 COOLING FREEZING

5 PACKAGING

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

2D-SHAPE
Diameters, length, width, roundness

TOP COLOR
Bake color, topping conformity, spot detection

BOTTOM COLOR
Bake color, flour marks, burnt areas, foreign color anomalies

3D-HEIGHT
Peak height, slope/symmetry

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
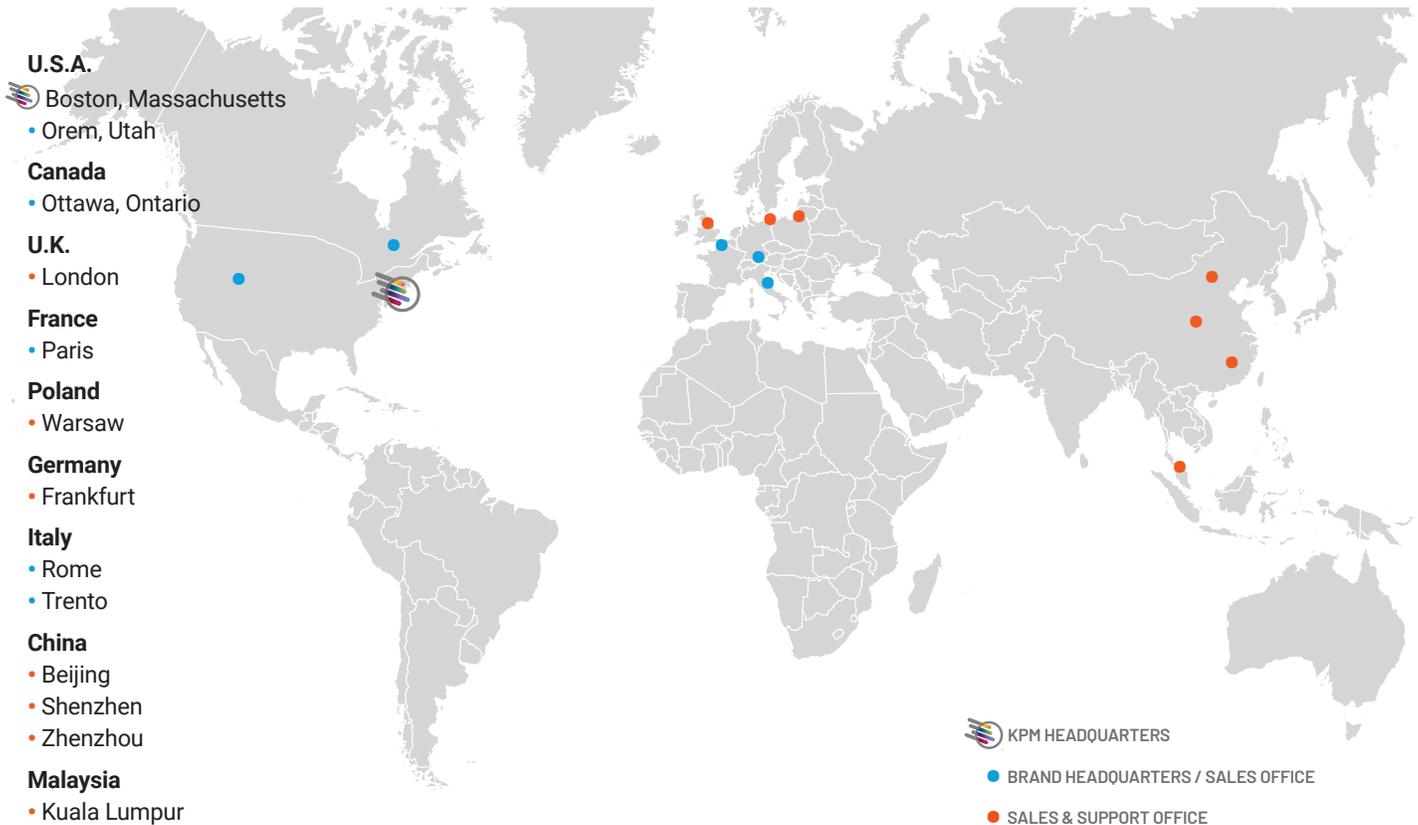

WEB-BASED STATISTICAL ANALYSIS AND REPORTING

REAL-TIME PROCESS MONITORING DASHBOARDS

INDUSTRY **4.0** READY

Smart Factory   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.

U.S.A.
Boston, Massachusetts
• Orem, Utah

Canada
• Ottawa, Ontario

U.K.
• London

France
• Paris

Poland
• Warsaw

Germany
• Frankfurt

Italy
• Rome
• Trento

China
• Beijing
• Shenzhen
• Zhenzhou

Malaysia
• Kuala Lumpur

KPM HEADQUARTERS
● BRAND HEADQUARTERS / SALES OFFICE
● SALES & SUPPORT OFFICE

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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