



Revolutionizing Food Inspection with Advanced Sizing Capabilities

PPO's **Sizing Application**, part of the Smart Imaging Solution, allows meat processors to measure product size, shape, and thickness and estimate weight. This advancement aims to provide processors with comprehensive insights into product quality and safety, optimizing production efficiency and reducing costs.

The Sizing Application integrates seamlessly into existing PPO systems, minimizing production disruptions with an over-the-air software update without hardware modifications to minimize production disruptions. This application leverages PPO's proprietary hyperspectral imaging technology combined with vision-based inspection to deliver detailed assessments of food products.

Sizing Application Capabilities

- **Size and Shape:** Accurately determine the dimensions and geometric properties of food items.
- **Thickness:** Assesses the uniformity and consistency of product thickness, which is critical for cooking and processing.
- **Weight Estimation:** Utilizes dimensional data to estimate the weight of individual products, ensuring adherence to customer specifications and compliance with recipes.



Key Benefits

With this application, PPO's imaging technology can help processors ensure **product consistency** by achieving:

- **Enhanced Product Quality:** Precise measurements ensure consistency and adherence to quality standards.
- **Operational Efficiency:** Automated measurements streamline processes, reducing manual labor and associated errors.
- **Cost Reduction:** Optimized production processes and reduced waste contribute to lower operational costs.

A proven automated solution to take control of food safety

PPO's Smart Imaging System combines hyperspectral and vision-based inspection, artificial intelligence, machine learning and data analytics software to provide unparalleled insight into product quality and safety. By detecting foreign materials without relying on density, color contrast, or size—the system finds 5X more materials than traditional vision-only systems. It enables faster root cause analysis through PPO Insights, helping prevent contamination and fix upstream issues. Beyond its sizing and detection capabilities, it evaluates food quality by analyzing chemistry, ensuring consistency in blends and yield. The system continuously learns and optimizes performance while maintaining a detailed historical record of incidents for further analysis.

- Inspect different proteins and formats, including bacon ends and pieces and ground/diced trims (Raw/RTE) and bacon bits (Raw/RTE)
- Find foreign contaminants in both the raw and RTE processes at your facility (before packaging)
- Count on built-in reject mechanisms to remove contaminated or undesirable product
- Get instant confirmation of findings with PPO Insights
- Measure lean point on a batch of raw material or a blend for correction
- Perform quality in-line grading for size, shape and water activity
- Best-in-class reliability, proven ease of use and up-times over 98%



PPO'S Z-CONFIGURATION IS IDEAL FOR BELLIES AND TRIM



PPO'S WATERFALL CONFIGURATION IS IDEAL FOR GROUND OR DICED PRODUCT

PPO's Sizing Application represents a significant advancement in inspection technology, offering processors detailed insights into product dimensions and quality attributes. The seamless integration and comprehensive capabilities of this application empower food processors to maintain high standards of safety and quality while optimizing operational efficiency.

**For more information or to schedule a demonstration,
please visit www.ppo.ca or contact PPO at info@ppo.ca.**