



WE CRAFT ASSURANCE

INSPECTION & GRADING SOLUTIONS FOR FRESH PRODUCE PROCESSORS





WE CRAFT ASSURANCE. For Our Partners, For Their Customers.

Founded in 2015 and comprised of nine strong product brands, KPM Analytics is a global leader in analytical instrumentation, inspection systems, and machinery, that enable companies to effectively manage product quality and brand value. Through long partnerships with global blue-chip companies in the industry, we focus on serving craftspeople in the food, agriculture, and environmental sectors, offering a comprehensive range of products and services to analyze critical parameters in their processes and solve their unique challenges. As a partner, we provide key metrics and intelligence to reduce waste and costs, increase energy efficiency, improve quality, and help companies protect their brands.

OUR PURPOSE

We provide premium quality assurance equipment for food producers, environmental researchers, industrial manufacturers, and others through expert craftsmanship and intimate knowledge of their business needs.

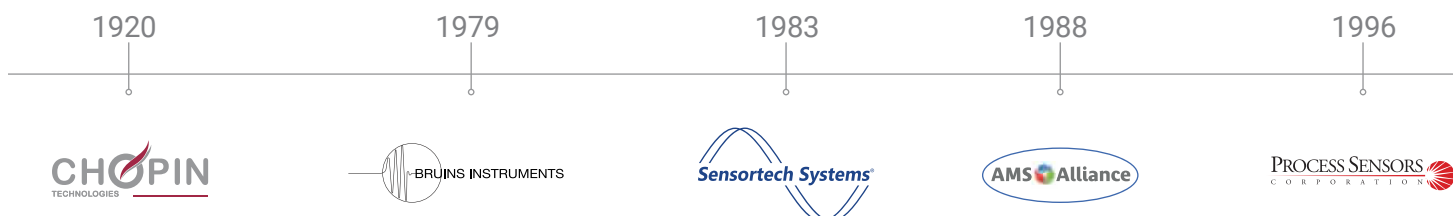
OUR VISION

Our partners all over the world will grow stronger from our driven, dedicated, and caring approach to solving their challenges, enabling KPM to become the global industry leader.

OUR MISSION

We provide the best solutions to help our partners control their product quality, scale capacity, and protect their brands.

NINE STRONG BRANDS SPANNING OVER 100 YEARS IN QUALITY ASSURANCE



Enhancing the Quality Control Efforts of Today's Fresh Produce Processors



Controlling the quality of fresh produce in processing facilities is crucial to ensure the safety, consistency, and nutritional value of the final products. High-quality raw materials minimize the risk of contamination and spoilage, which can lead to health hazards and financial losses.

Effective quality control plans help maintain produce freshness, appearance, and taste, enhancing consumer satisfaction and brand reputation. Additionally, stringent quality control practices enable compliance with regulatory standards, reduce waste, and optimize production efficiency, ultimately contributing to sustainable and profitable operations.

KPM Analytics specializes in solutions to help fresh processors manage quality from the moment the products arrive from the farm until they reach they are shipped to the consumer, including:



1999



2001



2009



2012

SMARTVISIONWORKS

2015



AI-Powered Product Sizing & Sorting to Maximize Profits

Fresh produce processors have a lot to manage daily. Product quality control is a top priority, but in high-throughput operations, detection of potentially harmful foreign materials is critical for companies to avoid charge backs from their customers or avoid potential recalls.

Artificial intelligence (AI) is quickly becoming a dependable method for fresh producers' processors to manage quality with superior accuracy, while also fortifying their food safety efforts.



SiftAI® Artificial Intelligence Camera

HOW KPM ANALYTICS' AI-DRIVEN ANALYSIS WORKS

Our technologies incorporate vision inspection equipment positioned on the processing line, which captures real-time product images that are analyzed in our proprietary software. This software is equipped with AI models to detect specific product features passing through a conveyor system. If a defect is detected, the system automatically calculates the percentage defect, which triggers actions later in the process.

PRODUCT SIZING, GRADING, AND DEFECT DETECTION



Raw image of product on the conveyor.



AI segmentation.



AI segmentation with defect detected.

FOREIGN MATERIAL DETECTION

Foreign material detection follows a similar process. Equipped with AI models for foreign materials (sticks, rocks, golf balls, wood, plastic, and many others), the system scans the conveyor for any objects different from the product down to the finest detail. This includes foreign objects of similar color and texture.



Rock in the product stream.

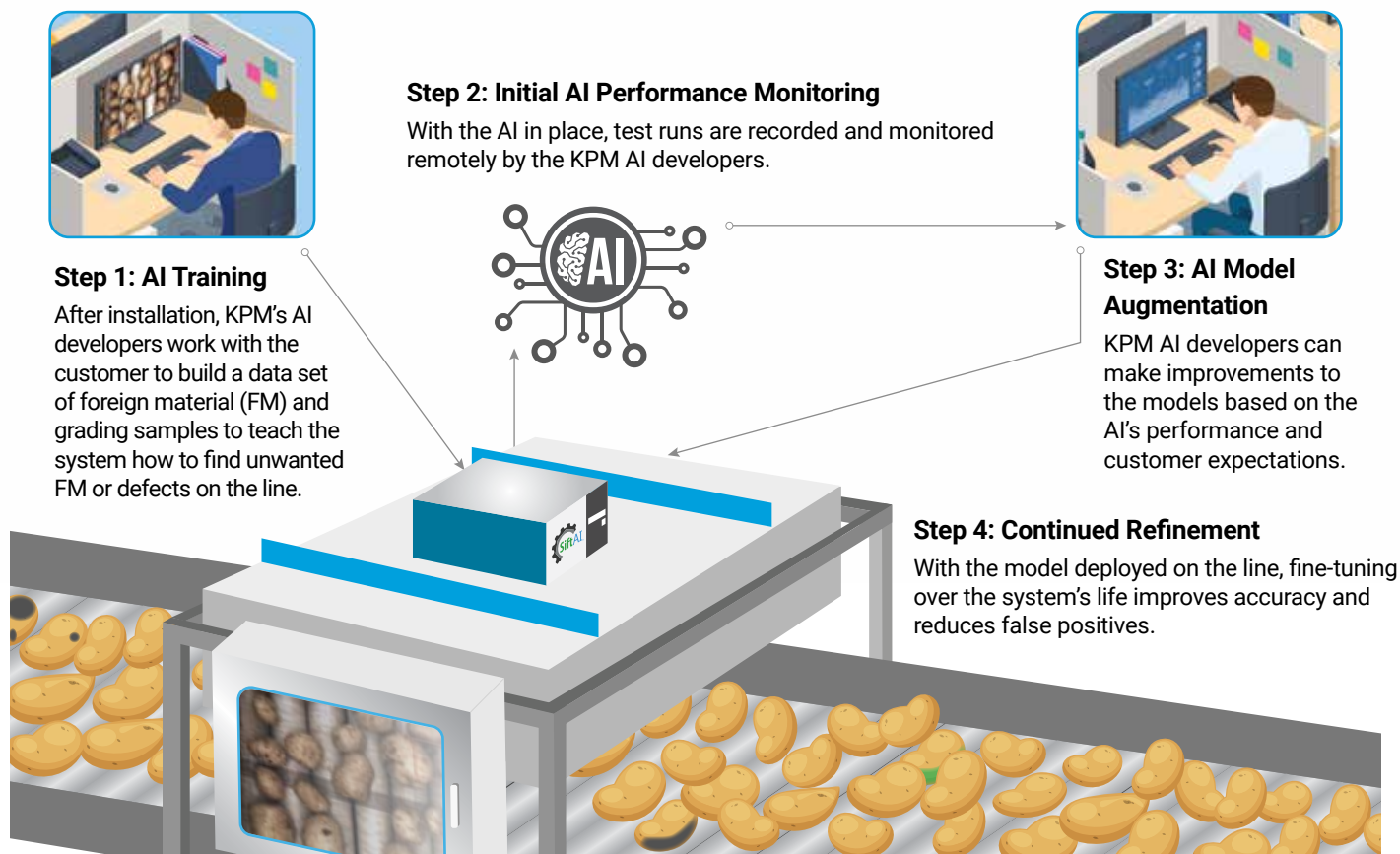


Walnut in the product stream.



Black plastic in the product stream.

Unique AI Model Development and Deployment



SIMPLE SOFTWARE INTERFACE AND REPORTING CAPABILITIES

Operators can watch a real-time stream of production. Additionally, operations can review historical data of graded products or detected foreign materials.



Users can review a complete log of foreign materials detected with the capability to drill down specific defect types.

Potato Sorting Solutions

KPM Analytics' AI vision inspection solutions help potato processors operate at higher capacities with greater accuracy, while helping operations detect foreign materials with greater precision.

1 Inspection Post Wash

After potatoes are delivered to the process facility, they are typically washed and routed to a batch sorter. However, it is still possible for foreign materials to pass through the wash process.

The SiftAI® Smart Table utilizes a rolling table to detect foreign materials while also pre-sorting rotten or unacceptable products immediately from the process stream.



Golf ball detected

Ejection kicker engaged



SiftAI® Multi-Lane Potato Sorter

2 Later-Stage Sorting, Sizing, and Grading

Some potato facilities utilize multi-lane sorting machines that automatically route fresh produce to specific customers. The SiftAI® Multi-Lane Sorter provides real-time inspection of visual product traits, ensuring they enter the correct lanes or rerouted to earlier drop-off lanes.

3 Final Product Inspection

By combining AI with a robotic sorting arm, the SiftAI® Robotic Sorter provides objective final sizing and grading of 100% of potatoes to validate they meet all customer requirements before packaging. Should any products appear outside the acceptance range of the AI model, the system automatically triggers a robotic arm to pick up and remove the defective product at rates as high as 100 picks per minute (with two-robot systems).



SiftAI® Robotic Sorter

AI Inspection Solutions for Fruits & Vegetables

From ensuring consistent product size, shape, and color, to detecting potentially hazardous materials from entering the production stream, AI-powered inspection technologies from KPM Analytics offer a dependable measure of assurance for fresh produce processors of all kinds.

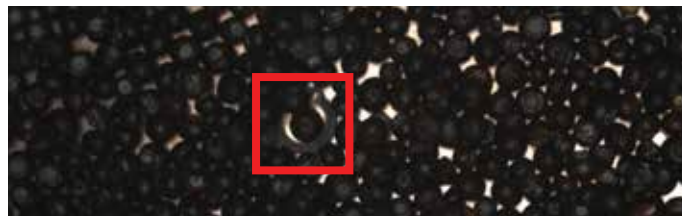
PRODUCT SIZING & GRADING



Acceptable lemon



FOREIGN MATERIAL DETECTION



Irrigation ring in blueberries



Leaf in apples



Plastic in lettuce



Rock in oranges



Chopped golf ball in diced potatoes



Onion skins in chopped onion



Wood chip in diced potatoes

Committed to Keeping Your Operation Seamless, from Start to Finish

At KPM Analytics, our focus is to provide your organization with end-to-end support through our highly skilled customer service teams and worldwide network of distributor partners. Each instrument and application are matched with specific support offerings to get the most out of your investment, including:



Field Service Commissioning & Training

KPM's team of qualified service engineers offer professional guidance and expertise to ensure a seamless process.



Annual Calibration & Preventive Maintenance

KPM offers various annual services (in field & depot) to ensure equipment is running at factory standards.



Remote Commissioning

For some instruments, remote commissioning provides a simpler, cost-effective method to ready your KPM technology for use.



Depot Repair at Global Service Centers

For issues that cannot be addressed on-site or remotely, our worldwide Depot network is available to quickly inspect, repair, and return your equipment in a timely manner.



Remote Support & Troubleshooting

To minimize downtime, remote support from KPM is available to help companies quickly correct issues and save costs.



Training Collateral

From "Best Practice" recommendations to quick startup and maintenance guides, KPM provides customers with the tools they need to succeed.



KPM ANALYTICS AI CENTER OF EXCELLENCE

Located in Orem, Utah, USA, the KPM Analytics AI Center of Excellence serves as the company's hub for advancements in machine learning, automation, and data-driven solutions to help food and agricultural processors improve efficiency and food safety. The Center demonstrates KPM Analytics' commitment to remain at the forefront of AI innovation for quality inspection and food safety. KPM Analytics will continue to deepen its AI capabilities and incorporate this game changing technology throughout our product portfolio.



Working with KPM means you have a partner for the life of your equipment and beyond. Let's discuss how we can help you solve production challenges and protect your brand value.

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