

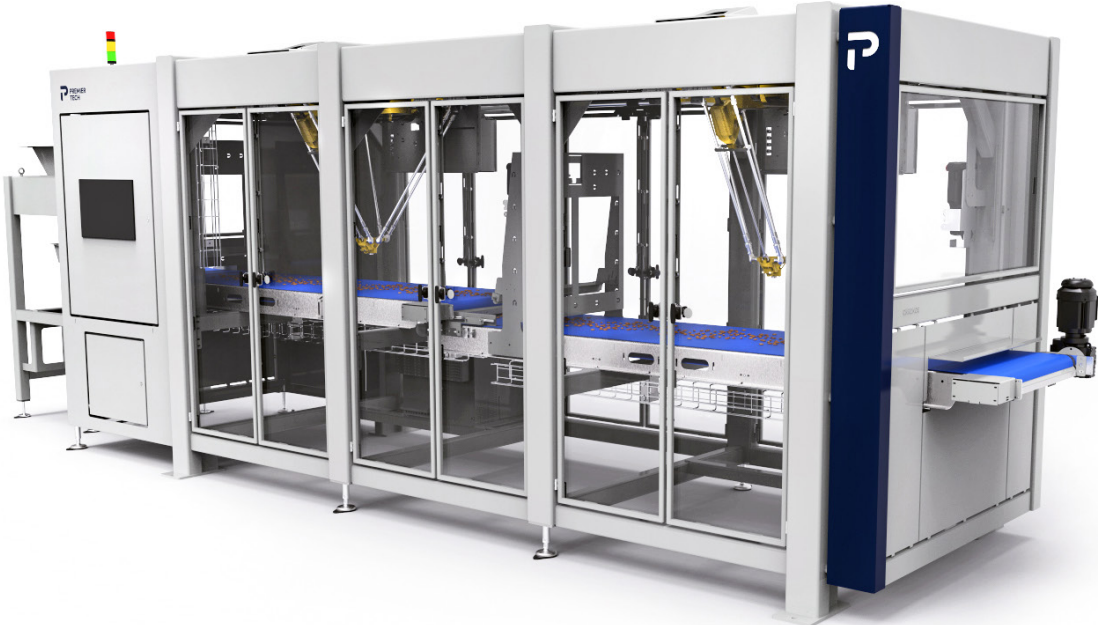


PRAIRIE • SCP-2100

Robotic Nut Sorting Machine



Robotic Nut Sorting Machine



UP TO 5,000 LBS/HOUR

*Removes up to 350 contaminants per minute, depending on the product type and desired grading quality.

Optimal Sorting Quality

The AI-powered robots quickly scan and remove an extensive range of product defects and foreign materials, attaining 99% precision.

Increased Reliability

The machine streamlines the final sorting process with precision and consistency, improving productivity and workplace safety while allowing staff to perform higher-valued tasks.

Simple Operation

The sorting process is as simple as entering the desired grading quality and pressing start. Batch reports are automatically generated to track production quality in real-time.

Applications



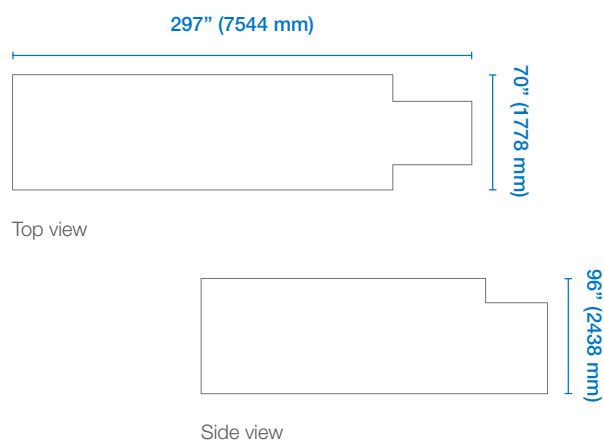
Nuts including almonds and pecans

✓ The patented PRAIRIE SCP-2100 swiftly removes defects without discarding any good nuts.

Rejected material is automatically sorted in different streams for easy repurposing and a quick return on investment.



Typical equipment dimensions



Top view

Side view

Specifications*

Belt width

30 in (762 mm)

Typical size of rejects

Up to 1.5 in (38 mm) depending on product

Electrical requirements

460V / 3Ph / 60 Hz (other voltages available)

Estimated shipping weight

8450 lbs (3833 kg)

Operating temperature

40 °F to 105 °F / 5 °C to 40 °C

* Flexible depending on product characteristics and machine configuration

Features

Computer vision, AI, and robotic technologies provide stable, reliable, and precise performances

High-definition cameras identify defects instantly

Sorting based on color, shape, bug damage, texture, and uniformity of pieces

Flexible AI software can adapt to new defects, ensuring ongoing improvement

Product hopper and vibratory feeder included for a constant and stable product flow

Second inspection conveyor for increased accuracy

Intuitive user interface to adjust grading and defect thresholds quickly and easily

Plug and Play concept for minimal start-up time

Simple access on both sides for maintenance and cleaning

Options

Customizable defects conveying options

Control of infeed or outfeed conveyors

Separation of rejects into different categories and bins



Lifetime

Client Solutions

Premier Tech Client Solutions take a personalized approach to **lifecycle management**, creating enhanced solutions customized to your specific needs that develop your own capabilities and operational habits, and help you achieve and maintain productivity.

The Client Solutions' passionate team acts as a **partner** by maintaining constant collaboration and putting your interests at the heart of daily decisions throughout your equipment's lifecycle.

Our programs are designed to help you reach your highest **Overall Equipment Effectiveness (OEE)** and maximize your **Return on Investment (ROI)** by providing you with the most valuable lifecycle services in the industry focusing on critical areas such as **24/7 technical support, spare parts, field service, training, system assessments and optimization.**



PT Systems and Automation



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