

Optyx[®] WPS

for Whole Potatoes



Gentle 3-way Sorting

Optyx[®] WPS for whole potatoes achieves a three-way sort using a combination of air ejectors to remove foreign material (FM) and a unique deflector system to separate potatoes for rework from good potatoes. Maximizing the removal of foreign material and providing extremely gentle handling to avoid potato bruising, Optyx WPS improves product quality and protects downstream equipment while reducing labor costs and increasing yields.

Sophisticated Analysis

Combining Key's proprietary high-performance color cameras with Raptor laser technology, Optyx WPS can sort peeled and peel-on product, differentiating peel, scab, bruise, rot, and green defects. Using cameras, Optyx WPS recognizes color, size, and shape to remove potatoes needing re-work based on the presence of peel, scab, or gross defects, as well as potatoes that fail to meet user-defined standards for length, width, or shape. Using a combination of Raptor laser technology with high resolution line scan cameras, Optyx WPS reliably detects and removes foreign material based on the structural properties of the material, as well as visible color.

Use Optyx WPS to...

- *Replace trim table inspection*
- *Select size range for wedges and other special-cut product*
- *Optimize peeler retention time*
- *Control defects going to cuts*
- *Prevent cutter damage*



Key Technology

150 Avery Street • Walla Walla, WA 99362 • USA

Phone: 509.529.2161 • Fax: 509.527.1331 • product.info@key.net • www.key.net



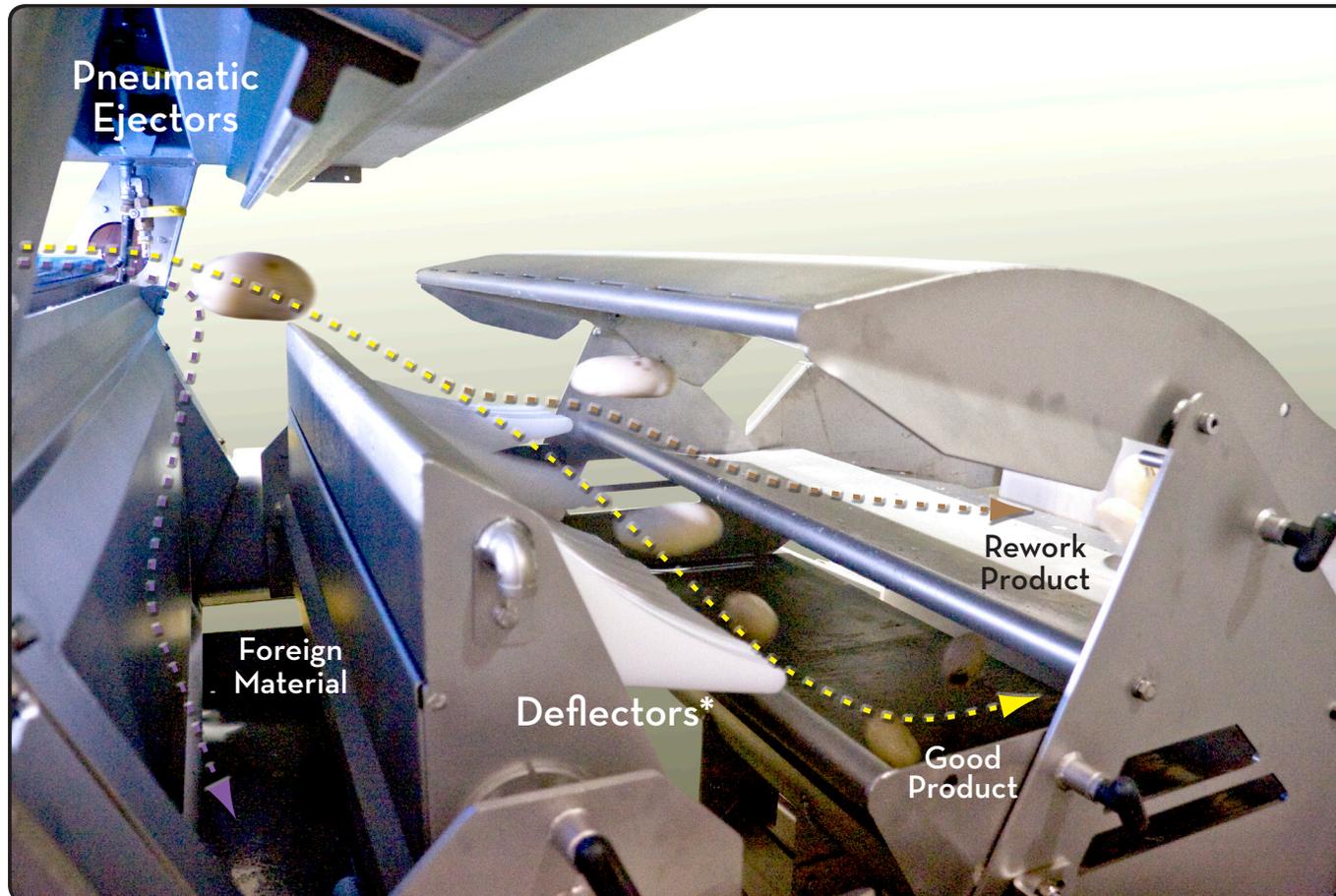
Features

- **Identify more FM.** Inspection using both lasers and cameras identifies more foreign material than any other method. Clear glass, golf balls, and plastic film are easily identified and ejected.
- **Positive FM removal.** Pneumatic ejection is proven to be more effective than paddles for foreign material removal. Paddles that have been optimized for product removal don't always hit foreign material.
- **Identify rework product.** Optyx WPS can differentiate peel, scab and green from good product making rework decisions simple.
- **Sort by size and shape.** G6 software monitors length, width and symmetry allowing you to choose the best product for any given application.
- **Gentle product handling.** The curved deflectors* gently redirect product for rework. The deflector impact is equivalent to dropping a potato from 1.4 inches (35 mm) onto a rigid surface. No bruising, no discoloration!
- **High Volume.** Optyx WPS handles up to 100, 000 pounds (45 metric tons) of whole potatoes per hour.

On the web:
www.key.net

In the USA/Canada:
509-529-2161
or e-mail product.info@key.net

In Europe (the Netherlands):
(31) 345 50 99 00
or e-mail keybv@key.net



* PATENT PENDING