



# FPS

## FIELD POTATO SORTER

**Interested in a free demonstration  
with your own product or require more  
information?**

**Please contact us directly.**

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The Field Potato Sorter (FPS) is the most cost-effective solution on the market for the sort of unwashed potatoes, removing soil clods, stones and foreign material. It is a high volume, high capacity, robust machine for growers and packers that is built to last. The FPS machine is ideal for difficult lifting and variable crop conditions.

## TECHNOLOGY AT YOUR SERVICE

The FPS uses unique **multi-spectral near infrared (NIR) sensors** to scan each individual item 'in flight'. This allows for an unobstructed view of the product during a **high capacity sort**. The sorter works with wet as well as dry unwashed white, brown, yellow, red, and purple varieties as well as seed, processing and specialty potatoes.

## BENEFITS

- Superior foreign material removal
- Accommodates various soil types and coverages
- Easy to install
- Significant labour reduction
- Increased throughput
- Increased yield & product quality
- Reduced storage costs
- Low maintenance
- Consistent long life accuracy

## STABILITY & HIGH PERFORMANCE

FPS has proven itself **invaluable in heavy ground conditions** where its unique vision system accurately removes dirt clods, rocks, wood, bone, plastic, glass, metal, rubber and more. The removal of clods and foreign material not only reduces the required **volume for stock** but also **limits product damage**. With labour hard to find, typical **labour savings** using a Field Potato Sorter can be in the area of 80% with satisfied customers reporting **high unloading speeds** even in the most challenging conditions. Consistent long life accuracy is guaranteed with the strong rugged construction with tough and robust electronics and rejector.



## WORKING PRINCIPLE

The produce is spread uniformly onto the infeed belt and scanned in-flight by a camera in the inspection zone. A few milliseconds later the foreign material is rejected by intelligent finger ejectors, positioned off the end of the conveyor belt, while the good produce is conveyed away by the supplied accept take away conveyor.

## DIMENSIONS AND SPECIFICATIONS\*

Model	Dimensions				Utilities	
	Width	Length	Height	Infeed elevation	Power	Air
<b>FPS 1200</b>	1980 mm (73")	3514 mm (138")	1980 mm (78")	1190 mm (46")	3 ph+N 4 kVa	100 psi 7 bar
<b>FPS 1800</b>	2515 mm (99")	3540 mm (135")	1976 mm (77")	1182 mm (46")	3 ph+N 5 kVa	100 psi 7 bar
<b>FPS 2400</b>	3337 mm (131")	3457 mm (136")	1991 mm (78")	1185 mm (46")	3 ph+N 7.4 kVa	100 psi 7 bar

\*Information shown for reference and may change depending on the actual application.