



# HALO

## PULSED LED CAMERA SORTER

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

**Please contact us directly.**

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The Halo is the market leader in sensor based quality and size sorting of whole potatoes, vegetables and fruit. Its high performance and low false reject rate increase the level of food safety. The Halo combines intelligence with advanced control, providing flexibility and accuracy in a reliable, long life, compact sorter.

## TECHNOLOGY

The Halo uses top and bottom sensor banks to view each individual object **in flight** using a combination of **LED, CCD camera and NIR** (Near InfraRed) to perform targeted spectroscopy with 1 mm precision. This advanced system views and analyses visible attributes (colour, shape, blemish, foreign material, etc.) as well as those difficult to see or 'invisible' defects to the product composition. The 'off-belt' view guarantees a **clear view** and low maintenance. The result is a highly **accurate, flexible and controllable** sort.

## GENTLE PRODUCT HANDLING

Gentle product handling is assured by **design**. The 1st grade produce gently pass through the machine while the 2nd & 3rd grade are redirected into individual streams by **intelligent finger ejectors** with precision and accuracy. More grading options are also available.

## BENEFITS

- **Easy to install**
- **Reduced labour requirements, up to 80%**
- **Increased throughput, up to 25%**
- **Faster packaging**
- **Increased yield, up to 4%**
- **Low operational costs**
- **Fast payback on investment**



## WORKING PRINCIPLE

The produce is spread uniformly onto the infeed belt and is scanned in freefall by cameras on both sides. A few milliseconds later the defects are rejected by intelligent finger ejectors, positioned off the end of the infeed belt, while the good produce continues its way along the sorting line.

## DIMENSIONS AND SPECIFICATIONS\*

Model	Dimensions				Utilities	
	Width	Length	Height	Infeed elevation	Power	Air
<b>HALO 500</b>	1350 mm (53")	3120 mm (147")	1750 mm (83")	500 mm (20")	0.3 kVa	70 l/min
<b>HALO 1000</b>	1850 mm (73")	3120 mm (147")	1750 mm (83")	1000 mm (40")	1.0 kVa	120 l/min
<b>HALO 1500</b>	2350 mm (93")	3120 mm (147")	1750 mm (83")	1500 mm (60")	2.0 kVa	180 l/min
<b>HALO 2000</b>	2850 mm (112")	3120 mm (150")	1750 mm (83")	2000 mm (80")	3.3 kVa	240 l/min

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