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.

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.

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.

DIMENSIONS AND SPECIFICATIONS*

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
<th>Utilities</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Width</td>
<td>Length</td>
</tr>
<tr>
<td>HALO 500</td>
<td>1350 mm (53&quot;)</td>
<td>3120 mm (123&quot;)</td>
</tr>
<tr>
<td>HALO1000</td>
<td>1850 mm (73&quot;)</td>
<td>3120 mm (123&quot;)</td>
</tr>
<tr>
<td>HALO 1500</td>
<td>2350 mm (93&quot;)</td>
<td>3120 mm (123&quot;)</td>
</tr>
<tr>
<td>HALO 2000</td>
<td>2850 mm (112&quot;)</td>
<td>3120 mm (123&quot;)</td>
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*Information shown for reference and may change depending on the actual application.