Classify the dry matter content of avocados non-invasively

Sorting and packing avocados according to their dry matter (DM) content prior to ripening is critical for a consistent, high quality final product. Grouping avocados with the same DM content allows processors to achieve exacting customer specifications with respect to ripeness, shelf life and quality, increasing customer confidence and strengthening brand value.

How does hyperspectral imaging work?
Hyperspectral images observe wavelengths the human eye does not perceive and capture the unique "spectral fingerprint" of each avocado. The "spectral fingerprint" allows the software to quickly and cost-effectively distinguish between the dry matter content of otherwise identical fruits that fundamentally differ in their internal composition of oils, sugars and waters.

Real time decisions
Presently, dry matter tests are slow, sample-based and unreliable in safeguarding product quality. ImpactVision's avocado classification system is a fast, highly accurate solution which scans 100% of products and determines DM content in real time.

Contact us for a demo

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**Key Features**

- Full system solution: software and hardware (camera, rig, fanless computer and illumination unit)
- IP65 graded equipment, protected from dust ingress and high pressure water jets
- Equipment integrates with existing sorting and packing systems; can be retrofitted to your facility
- Operates at high velocity production grade speeds
- Fully customisable to your facility, including line speed, width and size

<table>
<thead>
<tr>
<th>Imaging Equipment</th>
<th>Software &amp; Reporting Analytics</th>
<th>Data Storage</th>
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<tbody>
<tr>
<td>• Mobile, lightweight cameras ideal for high-throughput industrial applications</td>
<td>• Images captured and processed in real time for instant feedback to the production line via web interface</td>
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<td>• Designed for rapid installation and easy maintenance for maximum uptime</td>
<td>• Remote access to results, with on-demand reports and HQ monitoring</td>
<td>• Capacity requirements covered by integrated data storage solution</td>
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<td>• Non-harmful light covers the visible-near-infrared spectrum (VNIR) from 400-1000nm and (NIR) 1000-1700nm, with minimal illumination requirements</td>
<td>• Remote troubleshooting support</td>
<td>• Compliant with data protection regulation</td>
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