TOMRA 5A
OPTICAL SORTER

Interested in a free demonstration with your own product or require more information? Please contact us directly.

TOMRA Food EMEA
Research Park Haasrode 1622
Romeinse straat, 20
3001 Leuven
BELGIUM
Tel: +32 16 396 396
Fax: +32 16 396 390
food@tomra.com
www.tomra.com/food

TOMRA Food AMERICAS
875 Embarcadero Drive
West Sacramento
California 95605
U.S.A.
Tel: +1 916 388 3900
Fax: +1 916 388 3901
food.us@tomra.com
www.tomra.com/food

TOMRA Food APAC
Unit 1, 20 Anella Ave,
Castle Hill, 2154
NSW
AUSTRALIA
Tel: +61 2 8624 0100
Fax: +61 2 8624 0101
food.asia@tomra.com
www.tomra.com/food

TOMRA Food CHINA
1A/E, Rihua Building, No.8,
Xinfeng 2nd Road, Huli District,
Xiamen, Fujian, 361006
P.R.CHINA
Tel: +86 592 572 0780
Fax: +86 592 572 0779
food.china@tomra.com
www.tomra.com/food
The TOMRA 5A brings superior foreign material removal, quality inspection and peel quality control to the table. Running the highest capacities in the industry, this process potato sorter significantly increases the level of food safety and yield.

**ENHANCED TECHNOLOGY**

The TOMRA 5A uses top and bottom sensor banks to view each individual object ‘in flight’ using a combination of pulsed LED, camera and NIR (Near InfraRed) to perform targeted spectroscopy with 1mm precision. The proven and dependable technology guarantees a superior defect detection and quality control. The sorter can be complemented by the peel control module measuring the peel quality and calculating the peeler’s optimal steam time. This combination delivers a better and more stable detection of defects and peel quality. Real-time adjustments to the sorter’s and peeler’s settings result in faster and more accurate reactions to changes improving the quality of the final product and increasing your yield.

**BENEFITS**

- Superior foreign material removal
- Maximum food safety
- Consistent quality product output
- High performance
- User-friendly
- Data-rich

**DATA AT YOUR SERVICE**

The new graphical user interface, TOMRA ACT, presents the operator with real-time sorting data at a glance and allows the fast adjustment of parameters to make sure the end product stays within grade and the yield level is continuously optimised. The software also provides machine statistics for 24 hours making it possible to review data within a specified time frame offering you better control on process and production variations. The sorter is self-monitoring, alerting the right people in the plant in case of an issue affecting the performance of the TOMRA 5A.

**WORKING PRINCIPLE**

The produce is spread uniformly onto the infeed belt and is scanned in air 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. During the inspection the peel removal quality is also measured and analysed by the optional peel control module. In case of significant differences between the measured quality and the customer-specific settings, the peeler settings are automatically adjusted.

**DIMENSIONS AND SPECIFICATIONS***

<table>
<thead>
<tr>
<th>Model</th>
<th>Model</th>
<th>Dimensions</th>
<th>Utilities</th>
<th>Power</th>
<th>Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOMRA 5A</td>
<td>SERIES 500</td>
<td>Width 1350 mm (53&quot;) Length 3120 mm (123&quot;) Height 1750 mm (69&quot;) Infeed elevation 1265 mm (50&quot;)</td>
<td>3 ph. 1.0 kVA</td>
<td>7 bar</td>
<td></td>
</tr>
<tr>
<td>TOMRA 5A</td>
<td>SERIES 1000</td>
<td>Width 1850 mm (73&quot;) Length 3120 mm (123&quot;) Height 1750 mm (69&quot;) Infeed elevation 1265 mm (50&quot;)</td>
<td>3 ph. 1.1 kVA</td>
<td>7 bar</td>
<td></td>
</tr>
<tr>
<td>TOMRA 5A</td>
<td>SERIES 1500</td>
<td>Width 2350 mm (93&quot;) Length 3120 mm (123&quot;) Height 1750 mm (69&quot;) Infeed elevation 1265 mm (50&quot;)</td>
<td>3 ph. 1.5 kVA</td>
<td>7 bar</td>
<td></td>
</tr>
<tr>
<td>TOMRA 5A</td>
<td>SERIES 2000</td>
<td>Width 2850 mm (112&quot;) Length 3120 mm (123&quot;) Height 1750 mm (69&quot;) Infeed elevation 1265 mm (50&quot;)</td>
<td>3 ph. 2.0 kVA</td>
<td>7 bar</td>
<td></td>
</tr>
</tbody>
</table>

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