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

TOMRA Food EMEA
Research Park Haasrode 1622
Romeina 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, Rihu 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

GENIUS OPTICAL SORTER
The Genius food sorter uses a combination of various sorting technologies to meet the high food safety requirements of the food industry. The Genius removes all unwanted discolorations and foreign material from a variety of food applications such as vegetables, lettuce, potato products, nuts and many more.

TAILORED SOLUTION

The Genius is a modular sorting machine that can be tailored to your unique requirements and needs. With high resolution cameras and lasers the sorter offers different inspection technologies in different inspection zones. This way, the Genius achieves an unequalled sorting performance.

After being scanned in the different inspection zones, the state-of-the-art air guns reject any defect within milliseconds in 2 or 3 separate streams. The good product proceeds its way in the processing line. Depending on the product, the right size of valve is determined.

TECHNOLOGY

High resolution cameras (colour or monochromatic) inspect the produce on all sides, on or off belt, allowing an optimal detection of colour, structure, shape and biological characteristics. The cameras and lasers can be combined with different types of illumination for each area, such as fluorescent lighting or LED in one area and UV or IR lighting in another area. The Genius comes with different types of laser technologies, among which Fluo, SWIR or Detox lasers.

WORKING PRINCIPLE

The produce is spread uniformly onto the infeed belt and scanned by cameras and/or lasers in the different inspection zones. A few milliseconds later defects are rejected in 1 or 2 separate reject streams by powerful air guns, positioned at the end of the infeed belt. The good produce continues its way along the processing line.

DIMENSIONS AND SPECIFICATIONS*

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
<th>Utilities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width</td>
<td>Length</td>
</tr>
<tr>
<td>GENIUS 640</td>
<td>1280 mm (50&quot;)</td>
<td>3470 mm (137&quot;)</td>
</tr>
<tr>
<td>GENIUS 1200</td>
<td>1890 mm (74&quot;)</td>
<td>3720 mm (146.5&quot;)</td>
</tr>
<tr>
<td>GENIUS 1600</td>
<td>2411 mm (95&quot;)</td>
<td>4160 mm (164&quot;)</td>
</tr>
<tr>
<td>GENIUS 2000</td>
<td>2741 mm (108&quot;)</td>
<td>4630 mm (182&quot;)</td>
</tr>
</tbody>
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*Information shown for reference and may change depending on the actual application.