



SENTINEL II

OPTICAL SORTER

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

Please contact us directly.

TOMRA Sorting Food EMEA

Research Park Haasrode 1622
Romeinse straat, 20
3001 Leuven
BELGIUM

Tel: +32 16 396 396
Fax: +32 16 396 390
food-sorting@tomra.com
www.tomra.com/food

TOMRA Sorting Food AMERICAS

875 Embarcadero Drive
West Sacramento
California 95605
U.S.A.

Tel: +1 916 371 0700
Fax: +1 916 371 5471
food-sorting-us@tomra.com
www.tomra.com/food

TOMRA Sorting Food ASIA

1A/E, Rihua Building, No.8, Xinfeng 2nd Road
Huli District, Xiamen, Fujian, P.R.C
361006 Xiamen
CHINA

Tel: +86 571 8893 5895
Fax: +86 571 8893 5897
food-sorting-asia@tomra.com
www.tomra.com/food

The Sentinel II optical sorter is designed to sort many food applications and is typically found in the tomato, peach and potato processing industry. Using the latest in illumination and detection technology, Sentinel II is a highly efficient and cost-effective sorting solution.

TAILORED SOLUTION

Sentinel II's high resolution sensors and clear user interface allow the customer to set the sorter to reject a broad range of diseases and defects such as **rot, green, sunburn, blemishes**, etc... while also removing a broad range of **foreign materials** such as cotton stalks, corn cobs, pit, pit fragments, plastic, glass, animal matter, stones, wood, etc.

With three different sorter size offerings, the Sentinel II covers a wide capacity range of 20-200 tons/hour making it an ideal solution for **seasonal and year round processors**.

The combination of these elements of adaptability makes the Sentinel II a **cost-effective** option for processors of different types of produce and generates an **attractive return on investment**.

TECHNOLOGY

TOMRA technology meets the individual producer's needs while delivering a higher quality produce with less manual grading and downtime. Customers can choose from a range of factory configurations, for example, a double or single sided off-belt inspection system. The new pulsed LED and sensor system provides excellent sorting stability and requires low maintenance.

BENEFITS

- **Attractive return on investment**
- **Yield optimization**
- **High productivity**
- **High efficiency**
- **Controllable, consistent product quality**
- **Stable lighting/ sensors**
- **Robust and compact design**
- **Low maintenance cost**
- **Data rich user interface, with output to plant network**



WORKING PRINCIPLE

The produce is spread uniformly onto the infeed belt and is scanned in the air by cameras on both sides. A few milliseconds later defects are rejected by intelligent finger ejectors, positioned at the end of the infeed belt, while the good produce continue their way along the production line.

DIMENSIONS AND SPECIFICATIONS

| Model | Dimensions | | | | Utilities | |
|-------------------------|------------------|-------------------|------------------|------------------|-------------------|------------------|
| | Width | Length | Height | Infeed elevation | Power | Air |
| SENTINEL II 1000 | 1000 mm (40") | 2748 mm (108") | 1332 mm (53") | 710 mm (28") | 3 ph+N 1.0 kVa | 100 psi 7 bar |
| SENTINEL II 1600 | 1600 mm (64") | 2748 mm (108") | 1332 mm (53") | 710 mm (28") | 3 ph+N 2.0 kVa | 100 psi 7 bar |
| SENTINEL II 2000 | 2000 mm (79") | 2748 mm (108") | 1332 mm (53") | 710 mm (28") | 3 ph+N 3.3 kVa | 100 psi 7 bar |

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