



SENTINEL II

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 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.