TOMRA



TOMRA 5A

Optical Sorter

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.

Data at your service

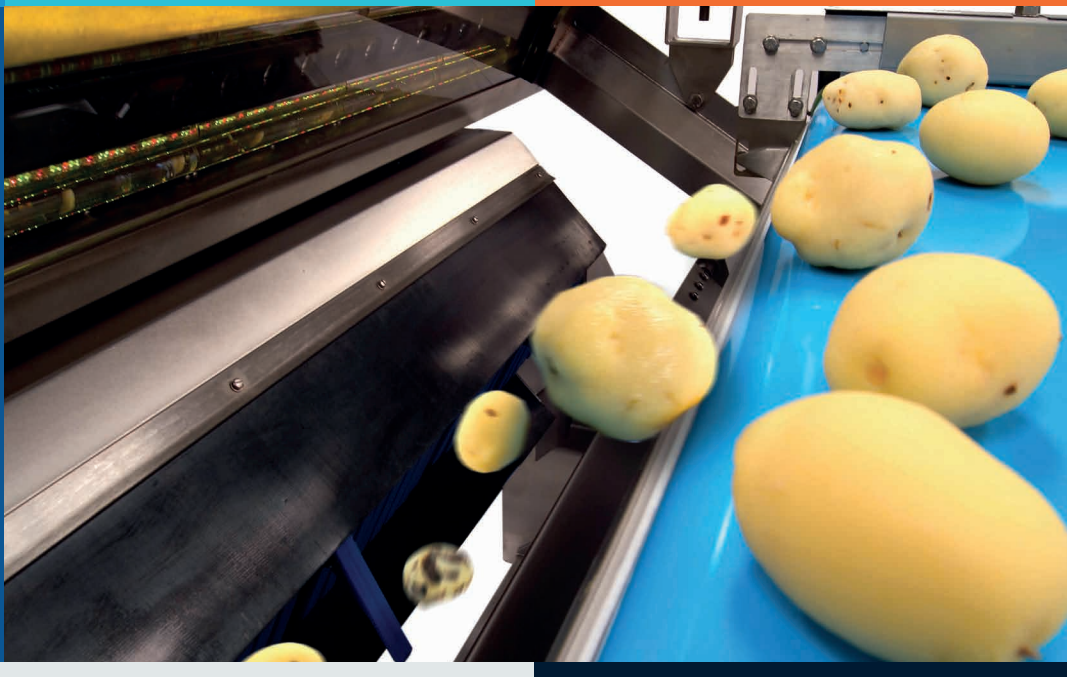
The new graphical user interface, TOMRA ACT, presents the operator with real-time sorting data at a glance and allows the fast adjustment of parameters to make sure the end product stays within grade and the yield level is continuously optimised. The software also provides machine statistics for 24 hours 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.

Benefits

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

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

Model	Dimensions				Utilities	
	Width	Length	Height	Infeed elevation	Power	Air
TOMRA 5A SERIES 500	1350 mm (53")	3120 mm (123")	1750 mm (69")	1265 mm (50")	3 ph. 1.0 kVA	7 bar
TOMRA 5A SERIES 1000	1850 mm (73")	3120 mm (123")	1750 mm (69")	1265 mm (50")	3 ph. 1.1 kVA	7 bar
TOMRA 5A SERIES 1500	2350 mm (93")	3120 mm (123")	1750 mm (69")	1265 mm (50")	3 ph. 1.5 kVA	7 bar
TOMRA 5A SERIES 2000	2850 mm (112")	3120 mm (123")	1750 mm (69")	1265 mm (50")	3 ph. 2.0 kVA	7 bar

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

Interested on more information? Please contact us directly.

www.tomra.com/food