TOMRA 5C

A More Successful Future Awaits

TOMRA 5C

The TOMRA 5C is a premium optical sorter in the next generation of best-in-class solutions for the frozen fruit and vegetable industry. The TOMRA 5C's upgraded system and industry-leading sensors seamlessly and immediately future-proof your operation's efficiency, safety, and yields through elevated sorting driven by data and more accurate removal of foreign material.

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TOMRA 5C: A new era in best-in-class sorting

The TOMRA 5C is the next generation of expectation-defying technology from TOMRA Food, built with the processor and operator in mind. Industry-leading sensors combined with big-data analysis deliver a clear picture of each and every nut and all foreign material; setting your team up to make real-time decisions to boost your chances of a better profit, higher quality yield and expeditious equipment pay-back.

This easy-to-use machine is designed to grow with your needs while handling improved capacity. You can trust TOMRA 5C's consistent performance, peace of mind, 100% of the time. You can expect higher quality sorting output, simplified cleaning processes, greater accessibility and improved food safety marks due to the unparalleled build.

Performance - Efficiency

Increased capabilities - consistently processing at high level ensuring maximum food safety, quality and minimal waste.

Heartbeat

Providing the health status of the machine at all times.

Data

Powerful and integrated TOMRA Insight data platform provides ease of access to business intelligence.
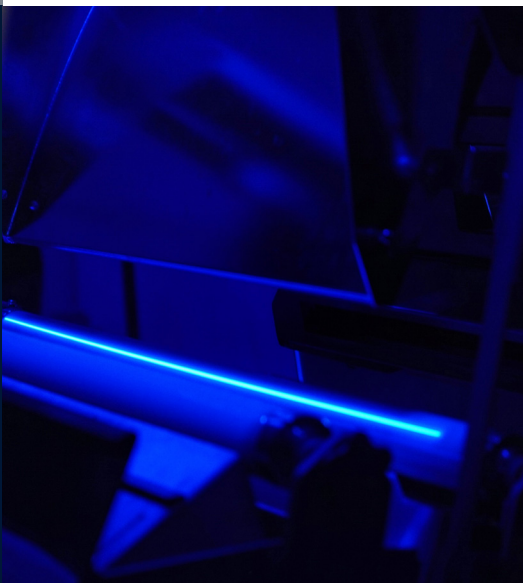
Sanitation

Sanitary design with minimal and curved surfaces that is more accessible to clean.

Ease of Use

Intuitive user interface, TOMRA ACT.

Capacity

Ensuring high capacities without reducing the sorting performance.

TOMRA 5C

TOMRA XCD | Platform of the future

The new powerful processing platform using AI and deployed on all new TOMRA Food machines.

TOMRA Insight | Cloud based data connectivity

TOMRA Insight turns your sorters into connected devices, allowing you to gain more insight into what your sorters see and turn these insights into tangible improvements for your business.
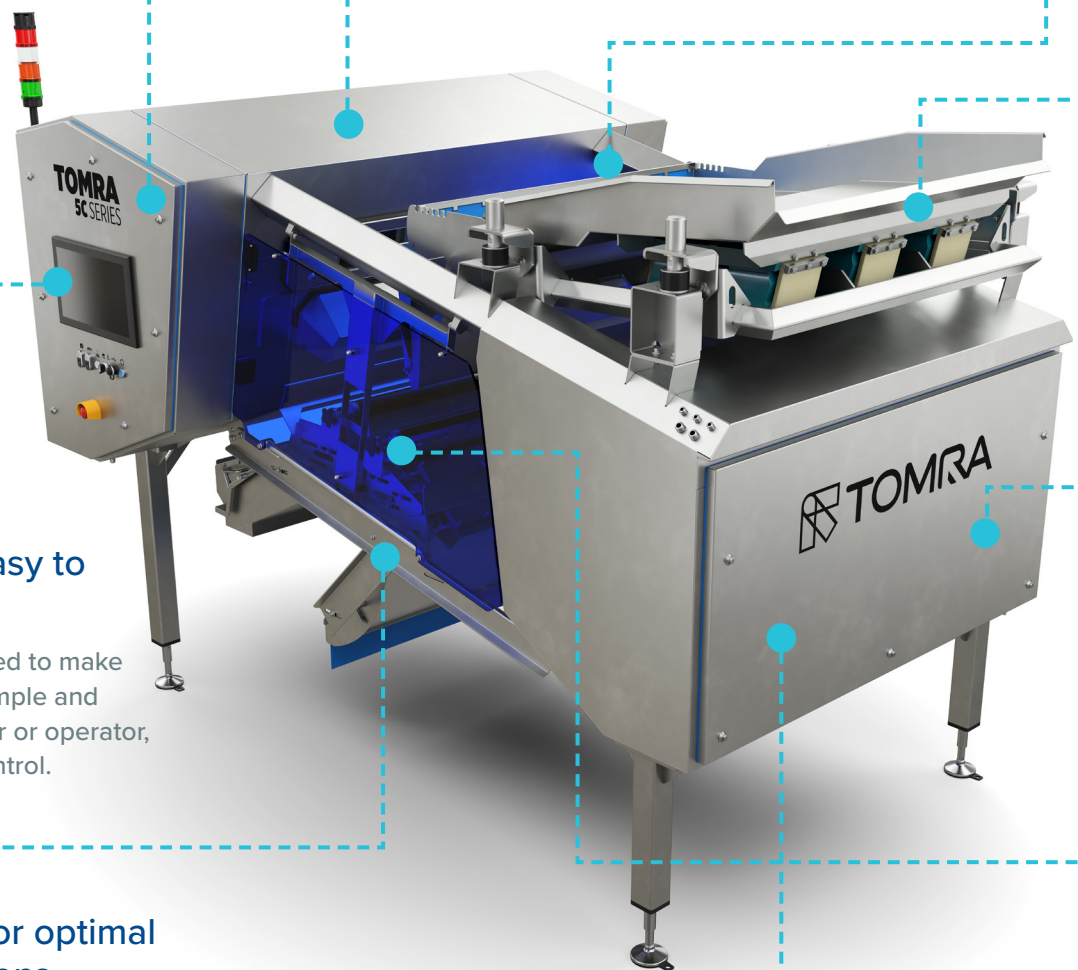
TOMRA ACT | Easy to use Interface

TOMRA ACT is designed to make sorting adjustments simple and predictable for the user or operator, enabling optimized control.

Sliding system for optimal cleaning conditions

Provides a safe way to approach the sorting area of the machine to guarantee in all circumstances the highest food grade standards which are also beneficial to an optimal sorting performance.

Embedded nitrogen control system for sensor stability

Environmental management system of the optical modules to secure optimal sorting performance.

Hygienic and open design

Sanitary design with minimal and curved surfaces that is more accessible to clean.
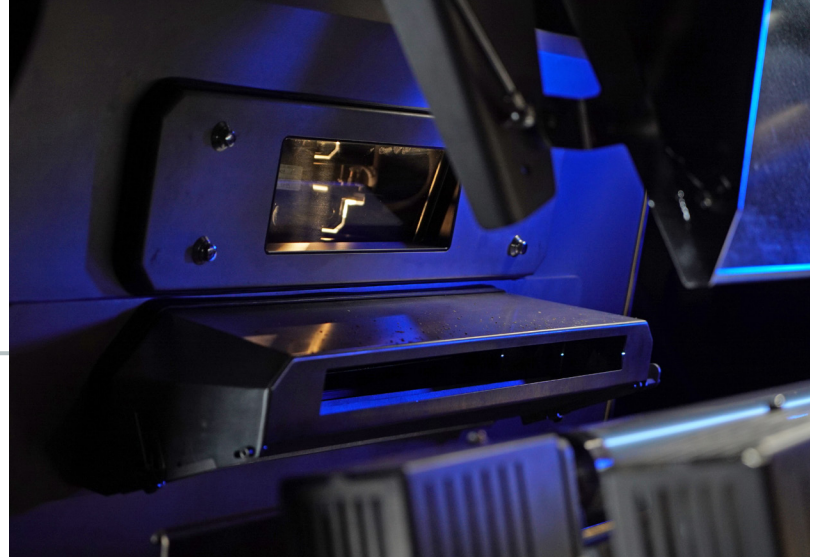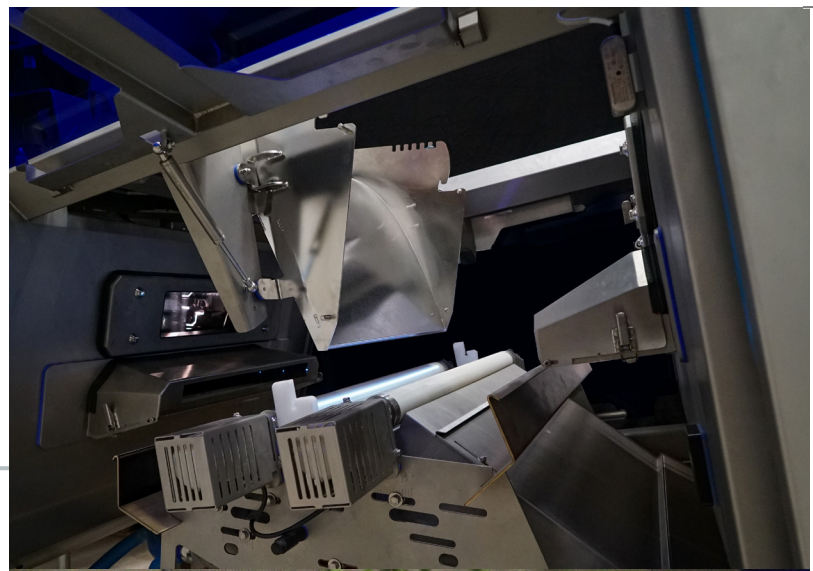
Increased capacity and optimized product flow

Ability to do double the capacity of frozen fruit and vegetables, with a similar footprint.
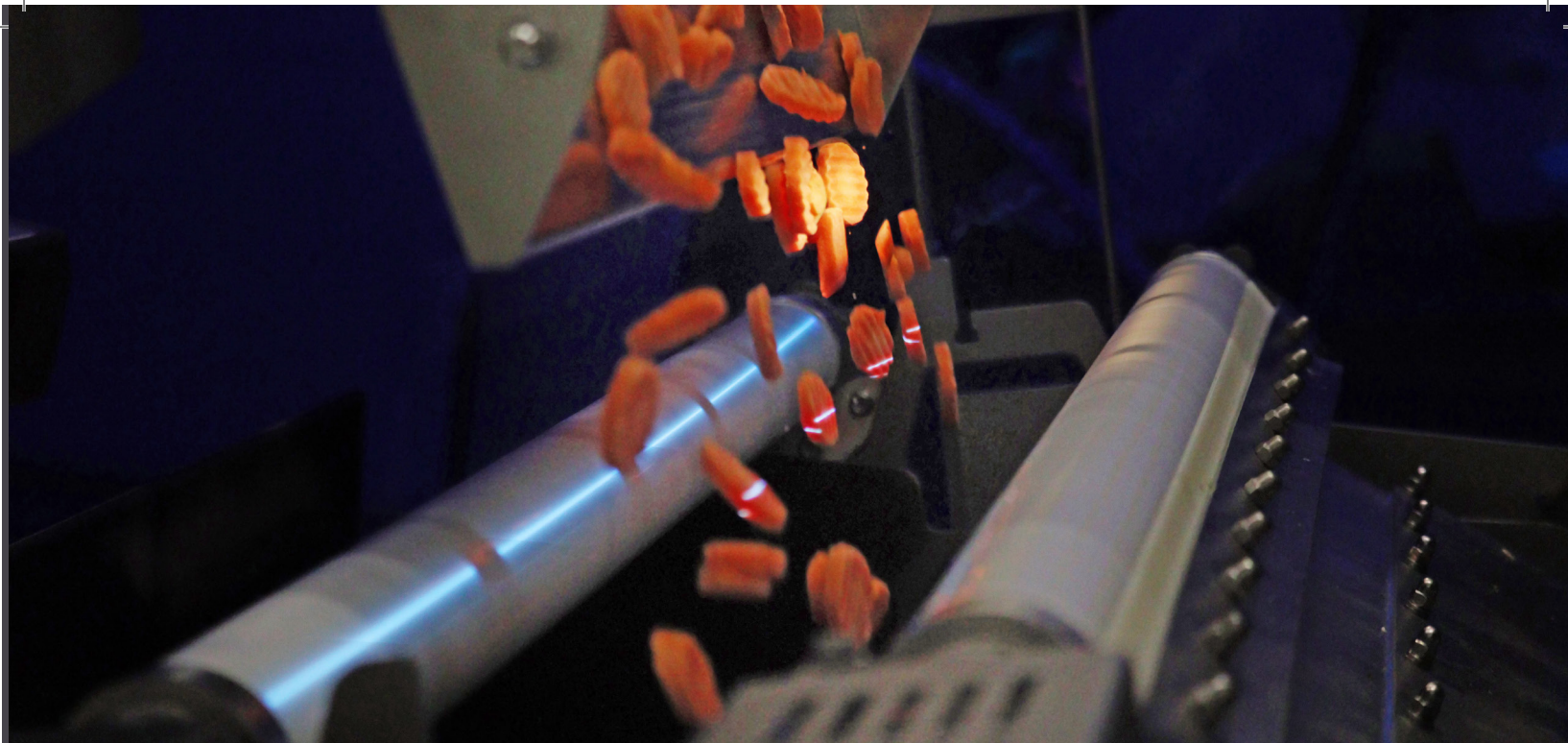
Improved laser and BSI+ sensors

New and next generation sensors, identifying not only foreign material but also product-specific defects.

New design ejection manifold with smart ejection

The TOMRA 5C ejection system enables precise targeting of any type of defect through the smart shape and size ejection parameters.

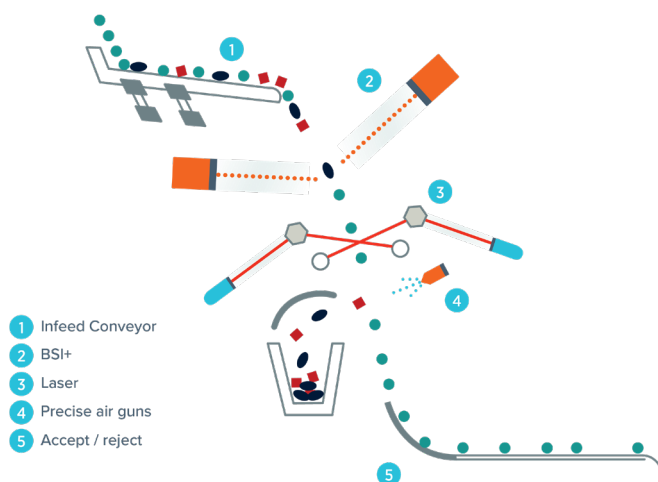| Minimal training required (with TOMRA ACT)	Faster cleaning	Higher customer satisfaction	Increased uptime	High yield - optimal food quality

1 Infeed Conveyor
2 BSI+
3 Laser
4 Precise air guns
5 Accept / reject

Working Principle

A feed shaker or hopper uniformly spreads the product over the free-fall chute. The product falls down towards the inspection zone, where it is scanned by lasers, BSI+ or a combination thereof.

A few milliseconds later the defects are hit with a precise powerful burst of air sending them into the rejection zone while the good product continues its natural free-fall.

Dimensions and specifications*

Model	Dimensions					Utilities	
	Width	Length	Height	Infeed Elevation (EM)	Infeed Elevation (EM + Hopper)	Power	Air
TOMRA 5C 800	1979mm	2830mm	2461mm	2062mm	2573mm	3ph: 10,5kVA	6-9 bar
TOMRA 5C 1200	2229mm	2830mm	2461mm	2062mm	2573mm	3ph: 10,5kVA	6-9 bar

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

TOMRA 5C isn't just an investment in the best technology on the market. It's an investment in the future of your operation's success.

Kristof Franckx, Product Manager of the C series at TOMRA Food

TOMRA

Transforming global food production to maximize food safety and minimize food loss by making sure Every Resource Counts.

Food. Recycling. Mining.
Collection. Circular Economy.

Interested in a free demonstration with your own product or require more information?
Please contact us directly. www.tomra.com/food