



TOMRA

TOMRA 5C

World Class Optical Sorter



TOMRA 5C

Empower your team to make real-time decisions to optimize product quality. Maximize your yield. And keep things simple for your operators.

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

Built with the processor and operator in mind, the TOMRA 5C combines high-performance lasers, BSI+ sensors, and machine learning analysis to deliver a clear picture of every piece of product and all foreign material.



Capacity

Increase sorting capacity by up to 50% with a similar footprint and no product tumbling.



Heartbeat

Understand the health status of your machine at all times.



Data

Unlock analysis and operational improvements with integrated connection capabilities. Enable delivery of valuable performance information to data management platforms.



Ease of Use

Keeps things simple for operators with an intuitive user interface. Designed with operators in mind, you reduce training required and time needed to complete tasks.

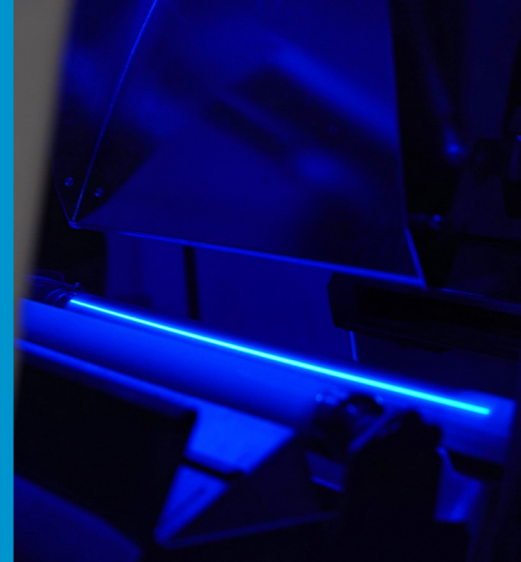


Performance with Efficiency

Achieve consistent processing at a high level. Increase production while ensuring maximum food safety and quality — with minimal waste.

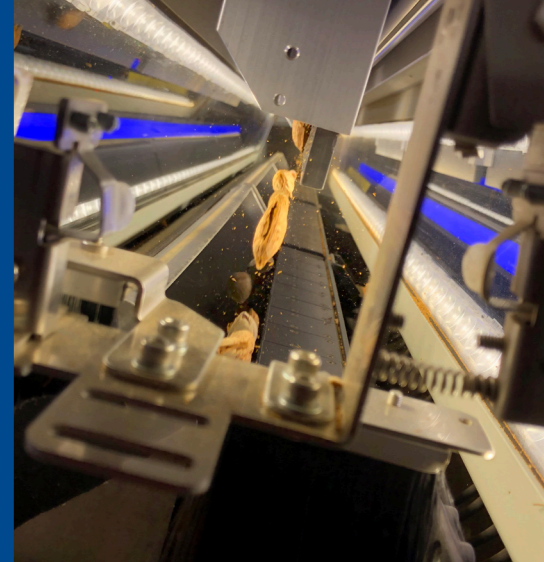
Benefits:

- ⦿ Yield improvements of up to 4%
- ⦿ Capacity improvements of up to 50% with a small footprint
- ⦿ Elimination of allergen cross contamination objects
- ⦿ Outstanding detection performance of fungi and other defects such as aflatoxins and mycotoxins
- ⦿ Market-leading minimization of collateral ejection while maximizing defect removal



Sanitation

Clean in less time with an accessible, sanitary design with minimal and curved surfaces.



Robust data connectivity

TOMRA's data collection capabilities turn your sorters into connected devices, allowing you to gain more understanding into what your sorters see and turn these learnings into profitability.

Hygienic and open design

The TOMRA 5C meets best practice engineering standards (such as EHEDG) with minimal closed spaces and curved surfaces.

TOMRA XCD | Platform of the future

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

Increased capacity and optimized product flow

Increase sorting capacity by up to 50% with a similar footprint and no product tumbling.

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.

High-resolution laser and BSI+ sensors

Detect a vast range of foreign material and product-specific defects, including allergens.

Sliding system for optimal cleaning conditions

Provides a safe way to access the sorting area of the machine, enabling delivery according to precise food safety standards and optimal operational performance.

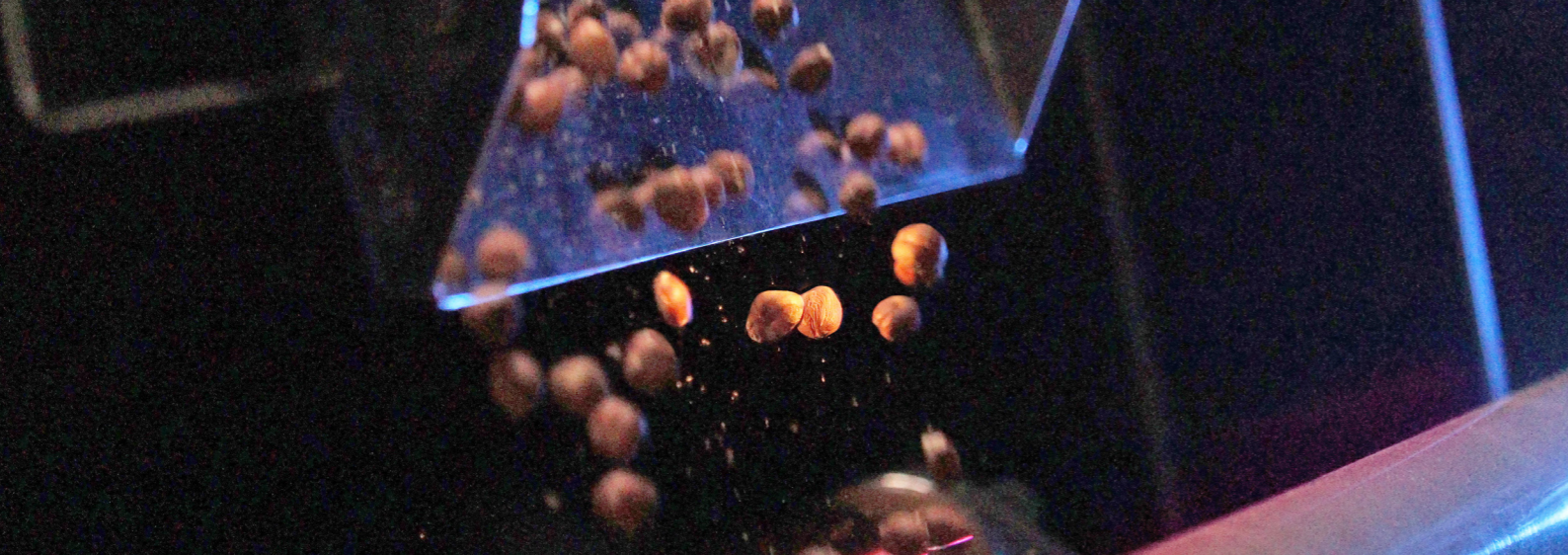
Embedded nitrogen control system for sensor stability

Enables sensor stability and optimal sorting performance in a low maintenance and environmentally friendly manner.

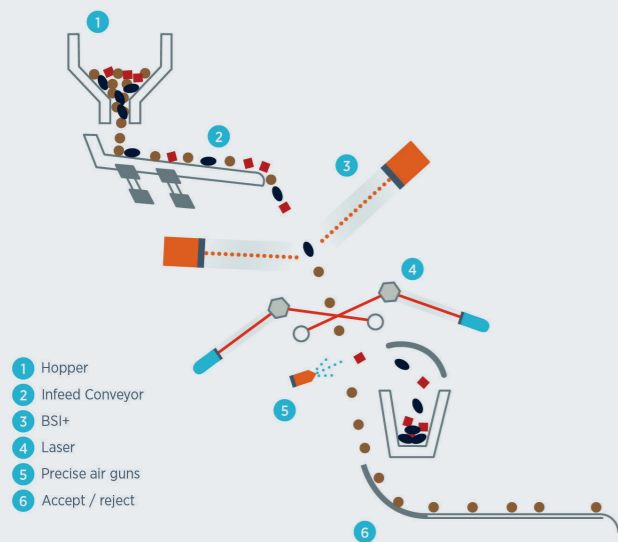
Smart ejection

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





-  Easy access for cleaning
-  Minimal training required (with TOMRA ACT)
-  Greater customer satisfaction
-  Increased uptime
-  Maximized yield with higher product quality



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.

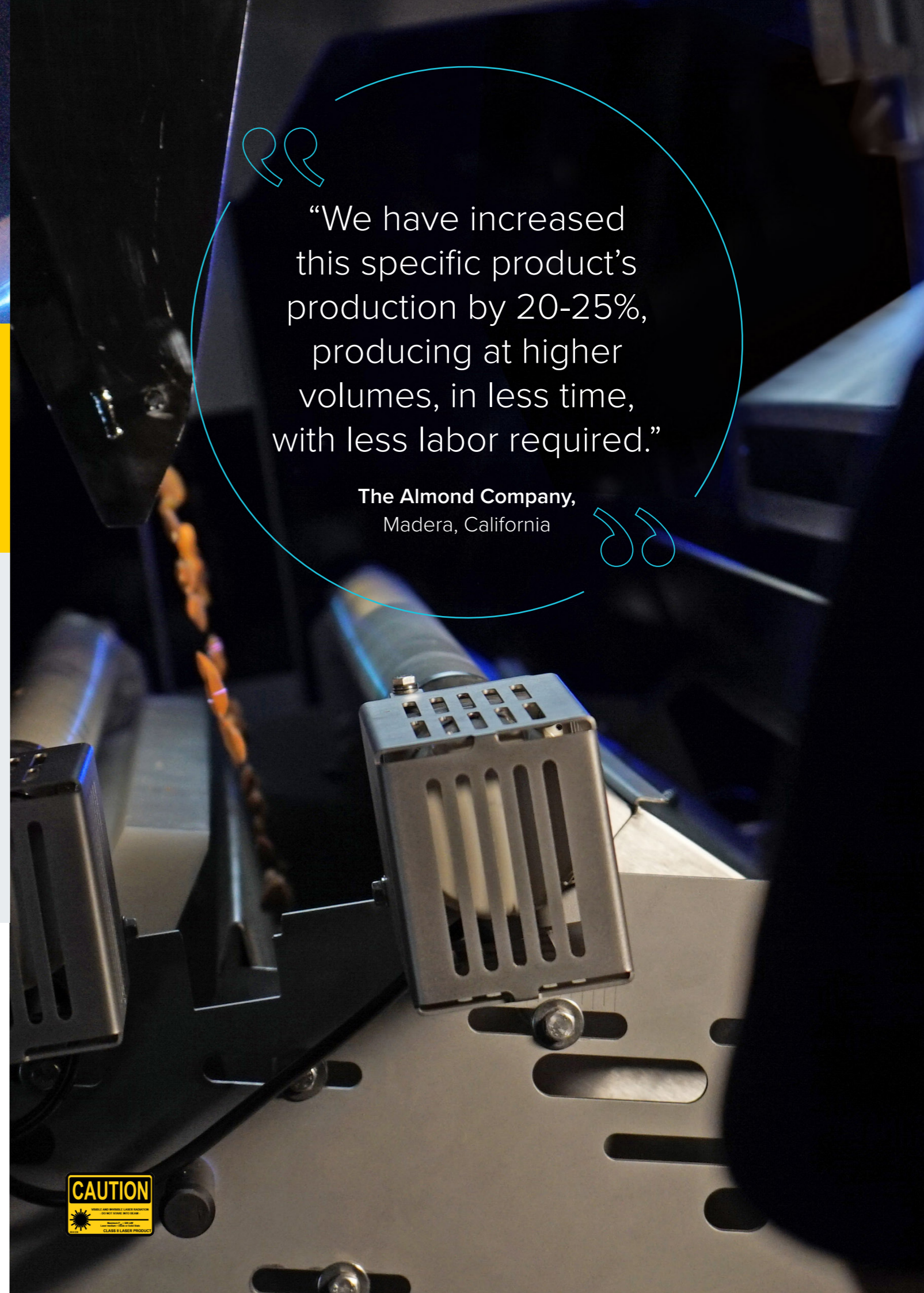
Dimensions and Specifications

Model	Dimensions					Utilities	
	Width**	Length	Height	Infeed Elevation (EM)	Infeed Elevation (EM + Hopper)	Power	Air
TOMRA 5C 800	1884mm	2993mm	2111mm	2062mm	2573mm	3ph: 10,5kVA	6-9 bar
TOMRA 5C 1200	2249mm	2993mm	2111mm	2062mm	2573mm	3ph: 10,5kVA	6-9 bar

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

“We have increased this specific product’s production by 20-25%, producing at higher volumes, in less time, with less labor required.”

The Almond Company,
Madera, California





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

Please contact us directly

www.tomra.com/food



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