



# TOMRA 5B

## Optical Sorter



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The TOMRA 5B sorting machine guarantees optimal sorting of your food products. It helps you meet the highest standards for both food safety and quality. The sorter has a user-friendly design, excellent performance, and state-of-the-art hygiene features that comply with the latest standards and regulations.

## Stable Technology

The TOMRA 5B sorting machine has been designed and developed with optimum performance, food safety and quality in mind. A strategic combination of **multiple sensors** and object processing with new, **advanced shape algorithms**, enables the distinct and targeted identification of individual defects in high-volume production flows. The innovative **360° inspection** with smart surround view technology boosts product quality and guarantees swift **removal of foreign material**, resulting in a highly efficient sorting process and the ultimate protection of your brand reputation.

## The best of machine desing

The machine design strives to meet the latest applicable **safety and hygiene regulations**, providing peace of mind when audits are carried out. It concerns an open system with a **fast and efficient cleaning process**, resulting in fewer unreachable areas and a lower risk of waste material building up. The TOMRA 5B sorting machine is equipped with an **application driven, innovative new interface**. It incorporates an intuitive, very easy to use, functional design and an ergonomic interface that brings you one step closer to a higher product quality and productivity levels.

## Benefits

- Maximum food safety
- Highest quality product output
- Optimized yield
- High performance
- User-friendly
- Hygienic design



## Working Principle

The produce is spread uniformly onto the infeed belt. After that, lasers and smart surround view camera technology inspect the product in different inspection zones. A few milliseconds later, defects are rejected in 1 or 2 separate reject streams by small-pitch TOMRA ejector valves, which are part of an innovative smart ejection system. These ejector valves are positioned at the end of the infeed belt. The good produce continues its way along the processing line.

## Dimensions and Specification\*

Model	Dimensions				Utilities	
	Width**	Length	Height	Infeed elevation	Power	Air
TOMRA 5B SERIES 800	1600 mm (63)	4125 mm (162)	2950 mm (116)	1200 mm (47)	3ph+N: 5 kVA	87-102 psi 6-7 bar
TOMRA 5B SERIES 1200	2000 mm (79)	4125 mm (162)	2950 mm (116)	1200 mm (47)	3ph+N: 7,5kVA	87-102 psi 6-7 bar
TOMRA 5B SERIES 1600	2400 mm (94)	4125 mm (162)	2950mm (116)	1200 mm (47)	3ph+N: 10kVA	87-102 psi 6-7 bar
TOMRA 5B SERIES 2000	2800 mm (110)	4125 mm (162)	2950 mm (116)	1200 mm (47)	3ph+N: 10kVA	87-102 psi 6-7 bar

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

\*\* Width of machine with open doors