



TOMRA



Blizzard  
Optical Sorter

The Blizzard free-fall pulsed LED camera sorting machine is the most ideal and cost effective optical sorting solution for the frozen fruit and vegetable processing industry. The Blizzard provides continuous all times by removing unwanted foreign material, misshapen product and discolorations, with maximum yield!

## Stable technology

Pulsed LEDs with different wavelengths and specifically designed sensors ensure a reliable detection of colour, shape and structural differences. LEDs have a long life giving a consistent and reliable output, making the lighting system of the sorter virtually maintenance and calibration free. Also in the cold environments, the pulsed LEDs have the advantage of generating little or no heat.



## Benefits

- Superior foreign material removal
- Shape sorting with extended shape toolbox
- Active LED background
- Glass and transparent foil detection
- User-friendly
- Low maintenance
- High capacity
- Designed to fit the output of IQF tunnels and packaging lines



## Machine design at its best

The small pitch system ensures an efficient removal of all defects at high capacity, providing a high quality end product while reducing labour costs and good product loss in order to increase yield. The Blizzard's open design facilitates the machine's sanitation and maximizes its ease of use. The electrical cabinet is placed at the rear end of the machine, again simplifying sanitation by making the machine easily accessible.

## Working Principle

An infeed shaker spreads the product uniformly over the free-fall chute. The produce is guided towards the inspection zone, where it is scanned by a specific set of different pulsed LEDs and a combination of cameras. A few milliseconds later the defects are hit by a precise, powerful burst of air sending them into the rejection zone while the good product continues its natural free-fall.

## Dimensions and Specification\*

Model	Dimensions				Utilities	
	Width	Length	Height	Infeed elevation	Power	Air
<b>BLIZZARD 640</b>	1870 mm (74")	2850 mm (112")	1933 mm (76")	1940 mm (76")	3 ph+N 3 kVa	87-102 psi 6-7 bar
<b>BLIZZARD 1200</b>	2445 mm (96")	2850 mm (112")	1933 mm (76")	1940 mm (76")	3 ph+N 3 kVa	87-102 psi 6-7 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](http://www.tomra.com/food)

