

# IXUS BULK

## X-RAY SORTER



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The Ixus™ Bulk x-ray sorter provides the safest solution for customers' brand protection. By implementing the latest x-ray and imaging software technology, the effective removal of metal, stones, pits, glass, high density plastics, etc., is guaranteed.



### DETECTION

The Ixus™ Bulk scans product in bulk to detect foreign material that can be dangerous to the customer. Metal, glass, small rocks, free flowing and embedded, are detected by absorbing more x-rays than the good product. The Ixus™ Bulk can also divide products into different categories such as size, shape,... The type of x-ray source depends on the product, type of defect and capacity.

### REJECTION

The Ixus™ Bulk is very flexible and easy to integrate into the production line and can be used as a complementary sorter or as a stand-alone machine. Implementing an x-ray sorter at the beginning of the line will decrease your incoming defect load significantly and will facilitate further processing. At the furthest end of the line, it will minimize the risk to find anything unwanted in your final product, just prior packaging.

### BENEFITS OF THE IXUS

- + Superior safety
- + Minimize yield loss
- + Easy to integrate
- + Flexible
- + Unparalleled throughput

### APPLICATIONS

- + Almonds
- + Cashews
- + Hazelnuts
- + Pistachios
- + Peanuts
- + Raisins
- + Walnuts
- + Fresh & frozen cherries
- + Mussel meat (frozen & fresh)
- + Scallops
- + Olives
- + Whole potatoes
- And many others..

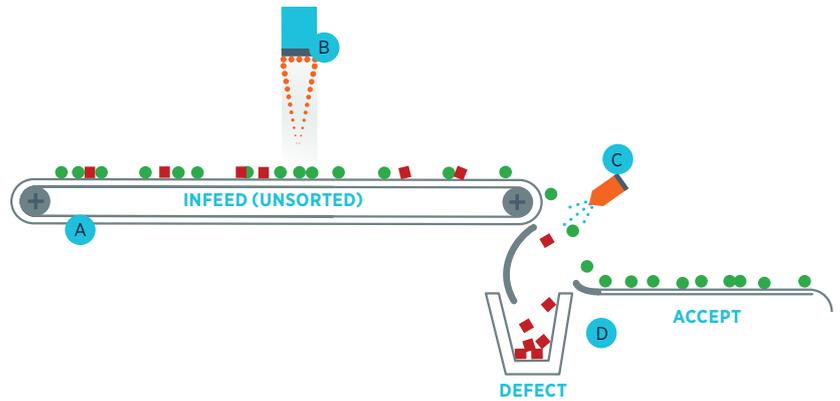
Gentle product handling is assured by design



The IXUS BULK's x-ray sorter sorts almonds for production.

## WORKING PRINCIPLE

The product passes on a horizontal conveyor belt between an industrial x-ray source and an x-ray detector. X-rays are absorbed by the product and by the foreign bodies. The absorption rate is higher for denser or thicker objects. When foreign bodies are detected, they will be rejected by powerful air guns while the good product continues on its way.



A Infeed (unsorted)  
B X-ray scanner

C Precise air guns  
D Separate streams, accept, reject

### 1 X-RAY DETECTION

The x-ray bulk sorter has been engineered around the most performing x-ray detector to enable an unmatched resolution in order to find the smallest defects at high throughputs.

### 2 LOW FALSE REJECT

The Ixus™ Bulk is equipped with precise air ejectors or solid high speed pneumatically operated flaps, to provide higher ejection accuracy, lower false reject and increased efficiency for more consistent sorting.

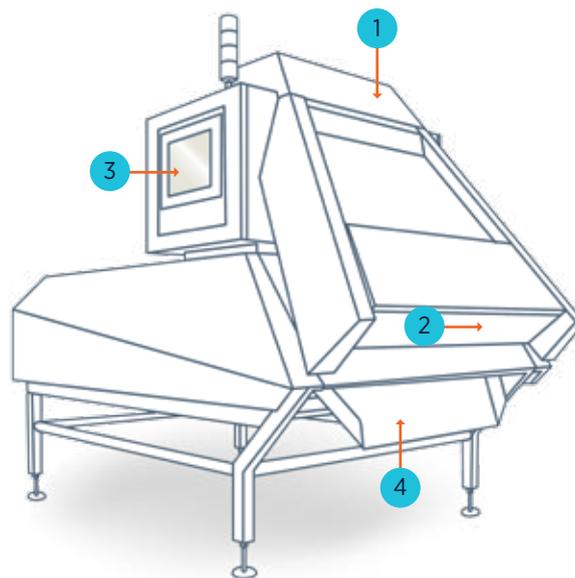
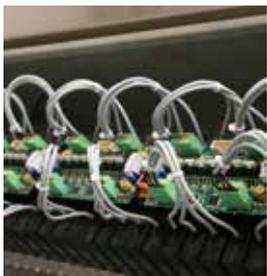
### 3 EASE OF USE

Quality control and feedback are secured by the intuitive Graphical User Interface (GUI) and touch screen. Thanks to the PAX system, customers or BEST service engineers can also access the machine settings from anywhere in the world.



### 4 HIGH CAPACITY

The Ixus™ Bulk 800 is designed for high volume processing with maximum detection and removal of foreign material and defective products.



## ADVANCED SORTING PARAMETERS & TECHNOLOGY

-  Foreign Material
-  X-ray
-  Pit detection

## DIMENSIONS AND SPECIFICATIONS

Model	Dimensions				Utilities	
	Width	Length	Height	Infeed Elevation	Power	Air
<b>IXUS™ BULK 420</b>	1631 mm (64,2")	2260 mm (89")	2189 mm (86,2")	1324 mm (52")	1ph: 1,5kVA	6-7 bar
<b>IXUS™ BULK 570</b>	1859 mm (73,2")	2260 mm (89")	2204 mm (86,8")	1324 mm (52")	1ph: 1,5kVA	6-7 bar
<b>IXUS™ BULK 800</b>	2739 mm (107,8")	2435 mm (95,9")	2649 mm (104,3")	1214 mm (47,7")	1ph: 1,5kVA	6-7 bar



You are a Resource Revolutionary.

TOMRA Sorting Solutions Food unites two strong brands in the food industry to become the leading provider of sensor based sorting, peeling and processing technology for the fresh- and processed food industries.

Turning yield into usage, profits into progress, TOMRA transforms the way the world obtains, uses, and reuses its resources.

**If you are interested in a free demonstration with your own product or if you need more information, please contact us directly.**



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