

BEST PRIMUS™

Optical Sorting



BEST PRIMUS™

The delivery of a high-quality end product, meeting or even succeeding the increasing demands of the consumer, is vital to the success of the processor. The Primus™ optical sorter is a highly efficient and fully automated optical sorter with quick payback for the removal of soft, discolored products and foreign material.



DETECTION

The Primus™ detects color and structure from a stream of good produces. This generation of O-ring belt sorters combines the efficiency of laser detection on foreign material (leaves, stems, insects, plastic, ...) and soft produces, together with the camera sorting on discolorations. In addition to these conventional sorting methods, the Primus™ is also capable to sort based on the chlorophyll level of the incoming produces.

PRODUCT HANDLING

Especially formed, thin and round transportation belts ensure a very gentle product handling, which is crucial while processing a delicate product such as fruit. The air gun manifold is positioned in between the O-ring belts and rejects the unwanted products precisely upwards into a separate reject lane.

APPLICATIONS

- Blueberries
- Cherries
- Cranberries
- IQF Raspberries
- Redberries
- Strawberries
- Olives

BENEFITS OF THE PRIMUS™

- +Gentle handling ensures increased profitability.
- +Higher yield and throughput.
- +Reduced labor requirements.
- +Increase of the uniformity of color in the pack.
- +Salvage of traditionally un-economic fruit.
- +Extremely fast payback on investment.

Gentle product handling is assured by design

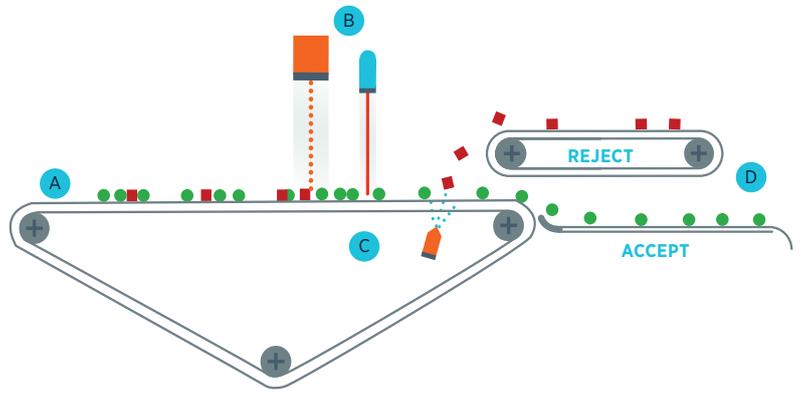


Infeed of IQF raspberries on the Primus™ equipped with O-ring belts.

WORKING PRINCIPLE

Multiple round, parallel belts singulate the product to be sorted into perfectly aligned lanes. A camera and lasers inspect the top surface of the produce. The defects are ejected by an air puff upwards and collected on a take-out belt. By ejecting upwards, the good product is not disturbed nor subjected to damage caused by drops or high acceleration forces.

- A Infeed "o-ring" belt
- B Camera & laser inspection
- C Precise air guns
- D Separate streams, accept reject



1 HIGH CAPACITY & LOW MAINTENANCE

High capacity and low maintenance are guaranteed by an innovative O-ring belt system, significantly reducing the involvement of manual labor.

2 FLEXIBILITY & GENTLE HANDLING

Flexibility and gentle handling are given by design. The system minimizes drops without compromising inspection accuracy.

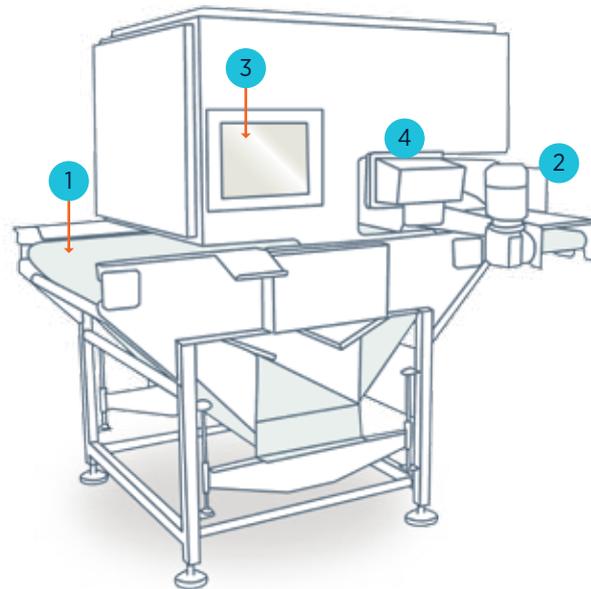
3 EASE OF USE

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 OPTIMAL INSPECTION

The Primus™ offers different inspection technologies located in several inspection zones, to provide enhanced detection efficiency. High resolution cameras and lasers are combined with different types of illumination which is adapted, depending on the application.



ADVANCED SORTING PARAMETERS & TECHNOLOGY

- Color
- Damage (hail)
- Foreign Material
- FLUO

DIMENSIONS AND SPECIFICATIONS

Model	Dimensions				Utilities		
	Width	Length	Height	Infeed Elevation	Power	Air	Water (max)
PRIMUS	1987 mm (78,3")	1673 mm (65,7")	2081 - 3230 mm (81,9"- 127")	1174 mm (46")	3 kVA	6-7 bar	1-3 bar



You are a Resource Revolutionary.

ODENBERG and BEST work together under the umbrella of TOMRA Sorting Solutions as leading providers of optical sorting 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.



Scan QR-Code with reader for more information

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



TOMRA Sorting Food EMEA

Research Park Haasrode 1622
Romeinse straat, 20
3001 Leuven
BELGIUM

Tel: +32 16 396 396
Fax: +32 16 396 390
W: tomrasorting.com
E: food-sorting@tomra.com

TOMRA Sorting Food AMERICAS

4038 Seaport Boulevard,
West Sacramento
California 95691
U.S.A.

Tel: +1 916 371 0700
Fax: +1 916 371 5471
W: tomrasorting.com
E: food-sorting-us@tomra.com

TOMRA Sorting Food ASIA

5, Binwen road
Binjiang district
Hangzhou
CHINA

Tel: +86 571 8893 5895
Fax: +86 571 8893 5897
W: tomrasorting.com
E: food-sorting-asia@tomra.com