

Multi Purpose Belt Type Optical Sorter



CSV600BM

Creating the Future  
SATAKE



CSV600BM

SATAKE CORPORATION

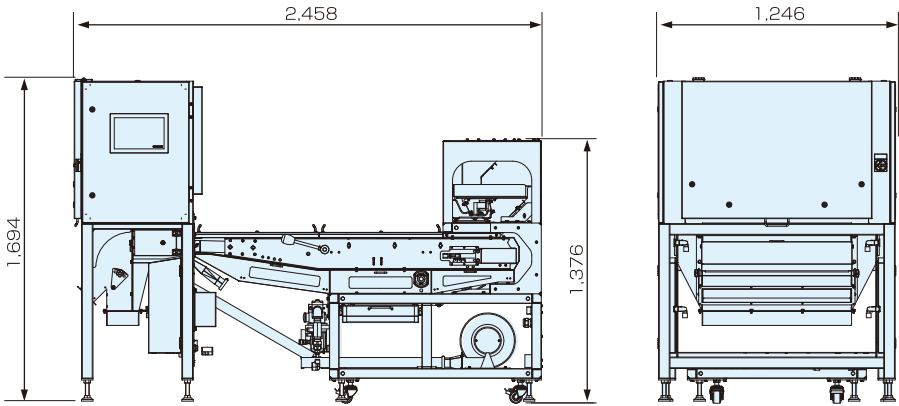
BELTUZA XENO CSV600BM

Specifications

Model		CSV600BM
Capacity *1		0.1~6.0 (Soybean) t/h
Subject Material *2		Beans, Tree Nuts, Seeds, Food (Snacks, etc.) , Industrial Material (Recycle Plastic, etc.)
Raw Material Supply		Removable Electromagnetic Feeder
Belt	Material	Polyurethane (Meets Japanese Food Sanitation Law)
	Effective Size	Width:650 mm, Length:1,680 mm
Optics	Camera	Full Color CCD × 4, NIR Camera × 2
	Lighting	White LED × 6, NIR LED × 4
Ejector Valve		QTY 136, 5 mm Pitch
Cleaning Mechanism		Wiper, Sweeper
Power Requirement		2.0kW Max. (AC200~220V Single Phase)
Air Consumption		1,000~1,500Nℓ/min
Required Air for Optional Dust Collection *3		10m³/min
Net Weight		Approx. 800 kg
Optional Parts		(1)Flow Straightener , (2)Reject chute with dust collector connection (3)Heater, (4)Blower, (5)Buffer Sheet for Accept chute

\*1 Sorting performance varies depending on variety and contamination of material.  
\*2 May not be able to sort due to the characteristics of material.  
\*3 Dust collection system may be required depending on the product.

Dimensions (mm)



All Satake products are subject to continuous development and, as a result, their specifications may change and differ in detail from those shown.

SATAKE CORPORATION

Head Office  
2-30 Saijo Nishihonmachi,  
Higashi-Hiroshima-shi, Hiroshima-ken,  
739-8602, Japan  
URL : [www.satake-group.com](http://www.satake-group.com)

SATAKE USA INC.  
10900 Cash Road,  
Stafford, Texas, 77477, U.S.A.  
URL : [www.satake-usa.com](http://www.satake-usa.com)

SATAKE AMERICA LATINA LTDA.  
Rua Xavantes, 155-Pav. 20, Bairro  
Atiradores, CEP 89203-210, Joinville,  
Santa Catarina, Brazil  
URL : [www.satake.com.br/](http://www.satake.com.br/)

SATAKE EUROPE LTD.  
P.O. Box 53, Horsfield Way, Bredbury  
Industrial Park, Bredbury, Stockport,  
Cheshire, SK6 2SU, U.K.  
URL : [www.satake-europe.com](http://www.satake-europe.com)

SATAKE INDIA ENGINEERING PVT. LTD.  
4th Floor, Tower-1, HB Twin Towers, A2,  
3, 4, Netaji Subhash Place, Wazirpur  
District Centre, New Delhi, 110034, India  
URL : [www.satakeindia.com/](http://www.satakeindia.com/)

SATAKE (THAILAND) CO., LTD.  
133,134 Moo 5, Bangkadi, Mueang  
Pathum Thani, Pathum Thani 12000,  
Thailand  
URL : [www.satake-th.com](http://www.satake-th.com)

SATAKE ASIA CO., LTD.  
888/84 Mahatun Plaza Bld., 8th Floor,  
Ploenchit Rd., Lumpini, Pathumwan,  
Bangkok, 10330, Thailand

PT. SATAKE GOBEL INDONESIA  
Gedung Surabaya Bumi Mandiri,  
Lantai 9, Jalan Jenderal Basuki  
Rachmat Nomor 129-137, Unit 905 B,  
Indonesia

SATAKE MANUFACTURING (SUZHOU) CO., LTD.  
229 Jin Feng Road, Suzhou New  
District, Suzhou, Jiangsu Province,  
215129, China  
URL : [www.satake.cn/](http://www.satake.cn/)

SATAKE AUSTRALIA PTY. LTD.  
15 Leland Street, Penrith, N.S.W.,  
2750, Australia  
URL : [www.satake.com.au](http://www.satake.com.au)

ISO 9001 Certification  
(Quality Management Systems)

ISO 14001 Certification  
(Environmental Management Systems)

SATAKE CORPORATION has obtained  
ISO9001 and ISO14001 certification.  
These international standards for management  
systems ensure Satake will continue to provide  
high quality products and services.

# Multi-Purpose Belt Sorter with NIR Sorting, Shape Recognition, Smart Sensitivity, and More...

Product is carefully conveyed to the optical section by a belt. Full color camera detects color and shape defects, while NIR camera detects inorganic foreign material such as stone, plastics, and glasses those have similar color as good product. All defects are removed from the streamline by the air ejectors. Detachable components such as vibratory feeders provide not only easy maintenance and cleaning but also flexibility to connect directly to the existing production line if needed.

## NIR+Full Color Camera

**NIR Camera** (NEW!)

Full Color Camera

Back Ground LED

Belt Conveyor

Ejector

Reject

Accept

Almond (Blanched)

Accept

Foreign Material

Bean (White Kidney)

Accept

Foreign Material

Added to SATAKE's full color sorting technology is the NIR sorting, separating foreign materials such as stones, plastics, glasses, regardless of their colors.

## Shape Recognition

Abnormal shapes such as broken and connected product can be sorted by the "Shape Recognition" technology. Less damage to the product than mechanical separation resulting in higher yield.

Accept

Reject

Pasta

## Sorting More Products

BELTUZA's lower belt speed can handle lighter materials resulting in a much wider range of product handling.

Soy

Accept

Reject

Edamame

Accept

Reject

Coffee

Accept

Reject

Red Beans

Accept

Reject

Olive

Accept

Reject

Seed

Accept

Reject

## Easy Sensitivity Setting

Satake's original automatic sensitivity creation system allows the users to adjust the sort setting easily in every material.

1. Scan the accepts image with full color camera.
2. Scan the rejects image, and press "Create Profile" button.
3. Optimum sensitivity setting is automatically created.

### Usability

#### Easy Operating Touch Panel



Screen can be operated with the same actions as smart-phones. Excellent visual screen design provides user-friendly operation.

### Maintenance

#### Easy Sanitation



The machine body is a dividable structure for easy cleaning and maintenance. Belt conveyor is easy to remove.

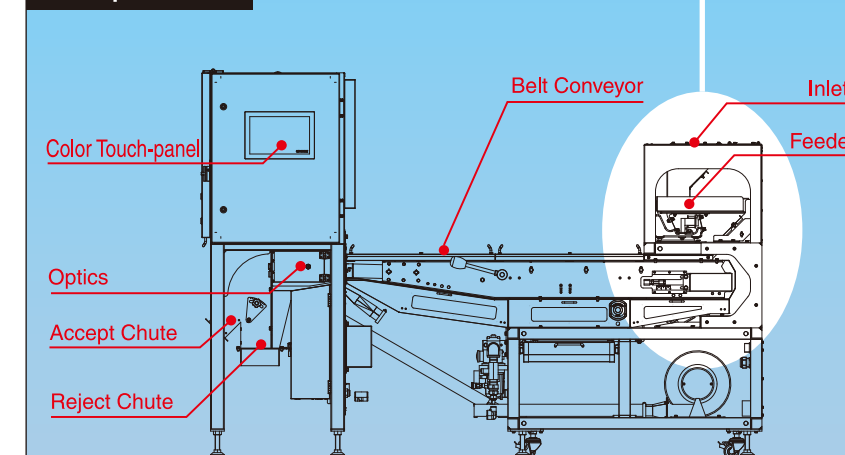
### Economical

#### Long Lifetime LED Lightning



LED lightning is applied for optical section. It's lifetime is ten times longer compared with our existing fluorescent lamps.

### Components



#### Removable Feeder



A stainless steel body frame and removable parts provide easy cleaning and sanitation. BELTUZA's vibratory feeder can be removed for flexible product line layout.