

Multi Purpose Belt Type Optical Sorter



CSV600BI / CSV600BM



CSV600BM

SATAKE CORPORATION

Specifications

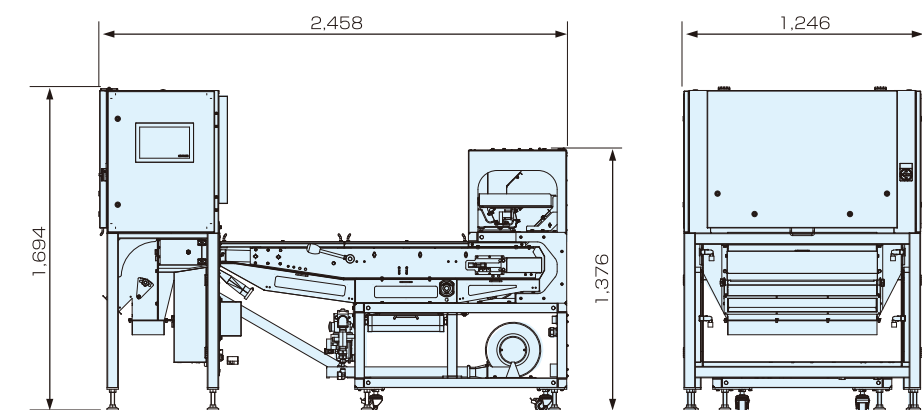
Model		CSV600BI	CSV600BM
NIR Sorting		—	○
Capacity *1		0.1~6.0 (Soybean) t/h	
Subject Material *2		Beans, Tree Nuts, Seeds, Food(Snacks, etc.), Industrial Material(Recycle Plastic, etc.)	
Raw Material Supply		Removable Electromagnetic Feeder	
Belt	Material	Polyurethane(Meets Japanese Food Sanitation Law)	
	Effective Size	Width:650 mm, Length:1,680 mm	
Optics	Camera	Full Color CCD × 4	Full Color CCD × 4, NIR Camera × 2
	Lighting	White LED × 6	White LED × 6, NIR LED × 4
Ejector Valve		QTY 136 5mm Pitch	
Cleaning Device		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 material.

Dimensions (mm)



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

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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...

Full-Color + NIR

Color-NIR

NIR Camera(CSV600BM)

Full Color Camera

Back Ground LED

Belt Conveyor

Ejector

Reject

Accept

Bean (White Kidney)

Accept

Foreign Material

NIR camera detects inorganic foreign material such as stone, plastics and glasses having similar color to good product.

The belt stably and uniformly conveys the material, ensuring high sorting accuracy. The improved LED lightning captures the slightest color differences via sensors. Defective products are ejected from the product stream by air. Detachable components are made of stainless steel for higher hygiene standards.

Sorting Various Products

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

Soy

Green Soybean

Coffee

Red Bean

Olive

Seed

Accept

Reject

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.

Pasta

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

Color Touch-panel

Optics

Belt Conveyor

Inlet

Feeder

Reject Chute

Accept Chute

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.