

High spec belt type optical sorter

# PELLET SORTER *DS*

PCS600BDS



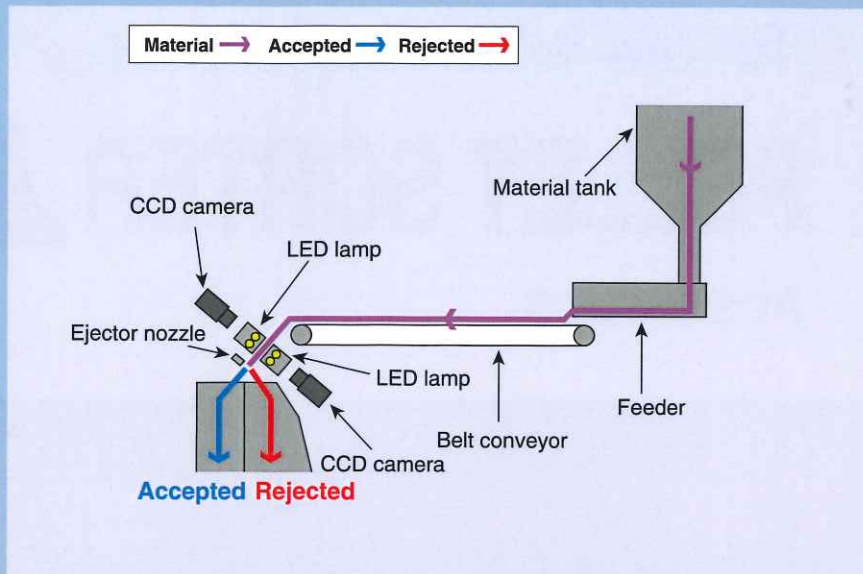
PCS600BDS

Stable feed by belt conveyor and high spec cameras on both upper and lower sides make it possible to securely detect and reject the smallest of particles.

The Pellet Sorter DS, is based on pellet sorting technology of pellet sorter, yet improves its accuracy on opaque materials by employing cameras on both upper and lower sides.

In addition, a belt conveyor is adopted in the material feed mechanism, making it possible to stabilize the incoming material supply and improve the ability to accurately distinguish the smallest of rejected particles.

## Structure



## Features

- 1) High spec CCD camera with precise 0.06mm pixel resolution
- 2) Stable material supply by belt conveyor
- 3) Cameras on both upper and lower sides for sorting opaque materials
- 4) Processing capacity: Maximum 4.0t/h \*
- 5) Long life LEDs are used

## Sorting example



Accepted



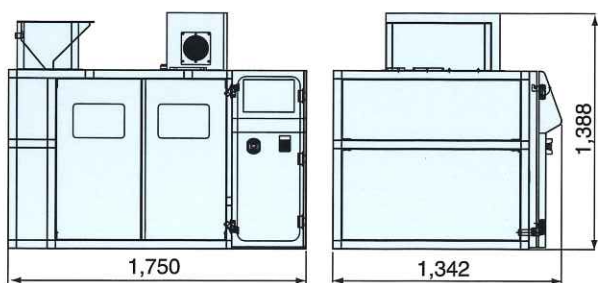
Rejected

## Specifications

Model	PCS600BDS
Capacity *	Plastic pellet: 0.1 – 4.0t/h
Power source	Single phase 200V
Required power	Maximum 2.0kW
Machine weight	800kg
Material	Main body: SUS304
Sorting method	Single-stage sorting with CCD cameras on both sides
Belt conveyor	W600 x L850 mm
Static electricity removal	Windless type ionizer (1 Unit)
Resolution	0.06mm
Light source	Blue LED light
Ejector	5mm pitch
Air volume	500 – 750 NL/min. (Compressor 5.0 – 7.5 kW)
Supplied air pressure	0.25MPa(0.7MPa supply)
Suction Air volume	Main unit: 10m <sup>3</sup> /min. (0.5kW)
Option	White LED light, Additional ionizer, tank shutter

\*Capacity may differ according to input material and operating conditions.

## Dimensions (Unit: 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  
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These international standards for management  
systems ensure Satake will continue to provide  
high quality products and services.