

Removes discolored pellets and black specks

PELLET SORTER

PCS600BFD



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Satake Corporation has drawn on its extensive experience in the field of color sorting to develop the Pellet Sorter, an optical sorter specifically designed to sort plastic pellets. Raw materials are fed at a carefully controlled rate to the conveyor belt, where a line of CCD cameras scans each individual pellet. Rejected materials are then removed from the product flow by compressed air. This machine features a two-stage sorting system, increasing the purity and quality of your product and maximizing its value.

Features

- Precise 0.06mm pixel resolution
- Two stage sorting system for higher product purity
- Large 2.0t/h processing capacity
- Minimum loss of good product
- Can be used in either continuous or batch operation

Sorting Example



Accepted

1st Stage Rejected

2nd Stage Rejected

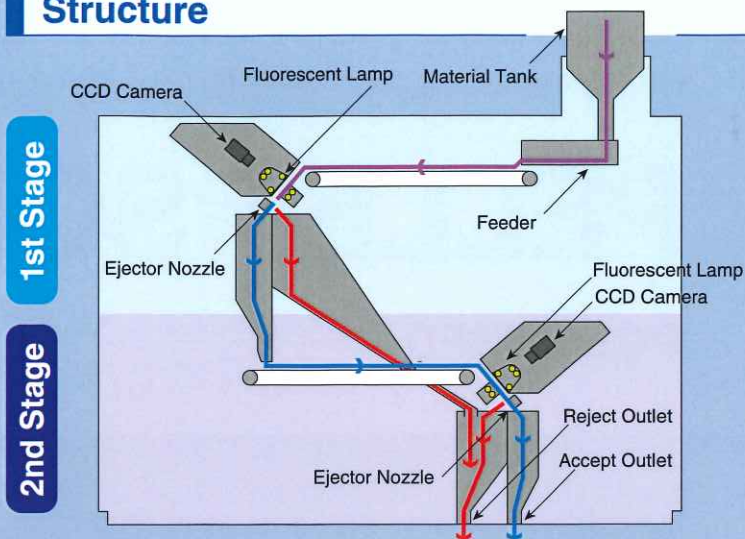
To request a sorting trial for your products, please visit our web site.

Satake Sorting and Processing Integrated Center

<http://www.senbetsu.com/>

Tel: +81-82-420-8303

Structure

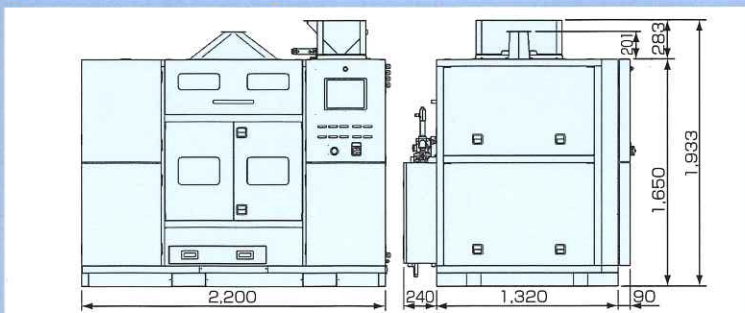


Specifications

Capacity	Plastic pellet: 0.1 - 2.0t/h (*)
Power Source	Single phase 200V
Required Power	Maximum 3.2kW
Machine Weight	1,500kg
Material	Main body: SUS304
Sorting Method	Two-stage sorting with CCD sensors
Flow Rate Control	Electromagnetic feeder and vibratory sensor
Belt Conveyor	Effective width: 590mm x length 850mm, 2 belts / unit
Static electricity removal	Air blow type de-ionizer (2 units)
Sensors	CCD camera 10 units (5 units/stage), 0.06mm x 0.06mm resolution, 2,048 pixels
Light Source	Fluorescent lamp 12 units (6 units/stage)
Control panel	Touch panel, Windows XP embedded
Air Volume	1,000 - 1,500 NL/min.(compressor 11.0 - 15.0kW)
Supplied Air Pressure	0.25MPa(0.7MPa Supply)
Suction Air Volume (optional)	Main unit: 20m ³ /min. (1.0kW)

* Processing capacity and machine performance vary depending on material sorted.

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.

SATAKE CORPORATION

Head Office
2-30 Saijo Nishihonmachi,
Higashi-Hiroshima-shi, Hiroshima-ken,
739-8602, Japan
URL : www.satake-group.com

Korea Branch
Alpha mighty Dunsan Building, 13F,
229, Daedeck-daero, Seo-gu, 35229
URL : www.satake-group.com

SATAKE USA INC.
10900 Cash Road,
Stafford, Texas, 77477, U.S.A.
URL : 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/

SATAKE EUROPE LTD.
P.O. Box 53, Horsfield Way, Bredbury
Industrial Park, Bredbury, Stockport,
Cheshire, SK6 2SU, U.K.
URL : 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/

SATAKE (THAILAND) CO., LTD.
133,134 Moo 5, Bangkadi, Mueang
Pathum Thani, Pathum Thani 12000,
Thailand
URL : www.sataketh.com

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

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/

SATAKE AUSTRALIA PTY. LTD.
15 Leland Street, Penrith, N.S.W.,
2750, Australia
URL : 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.