

Full Color Sorting

OPTICAL SORTER

REZX4500・7500DIS / AIS / BI



REZX7500DIS

Satake's all new full color optical sorter will provide you with the best solution in color sorting.

1) Full Color Camera

The machine is equipped with Japan's latest full color camera which recognises the target just like the human eyes do. Even slight color differences such as light yellow grain can be detected.

2) Automatic Defect Profiling

The machine incorporates advanced software to evaluate the color profile of target defects and automatically creates the sensitivity settings.

3) Shape Sorting

Enables the machine to remove defects by shape, such as broken, adhered or malformed.

4) LED Lighting

LED lighting is applied within the optical section to maintain a good performance. The long lamp lifetime will reduce the machine's running costs.

5) New Ejector Pitch for Precise Sorting

Advanced ejector valve pitch of 5mm can provide more precise sorting and it is effective to reduce the percentage of good grain in the final reject.

6) Three Stage Sorting System *

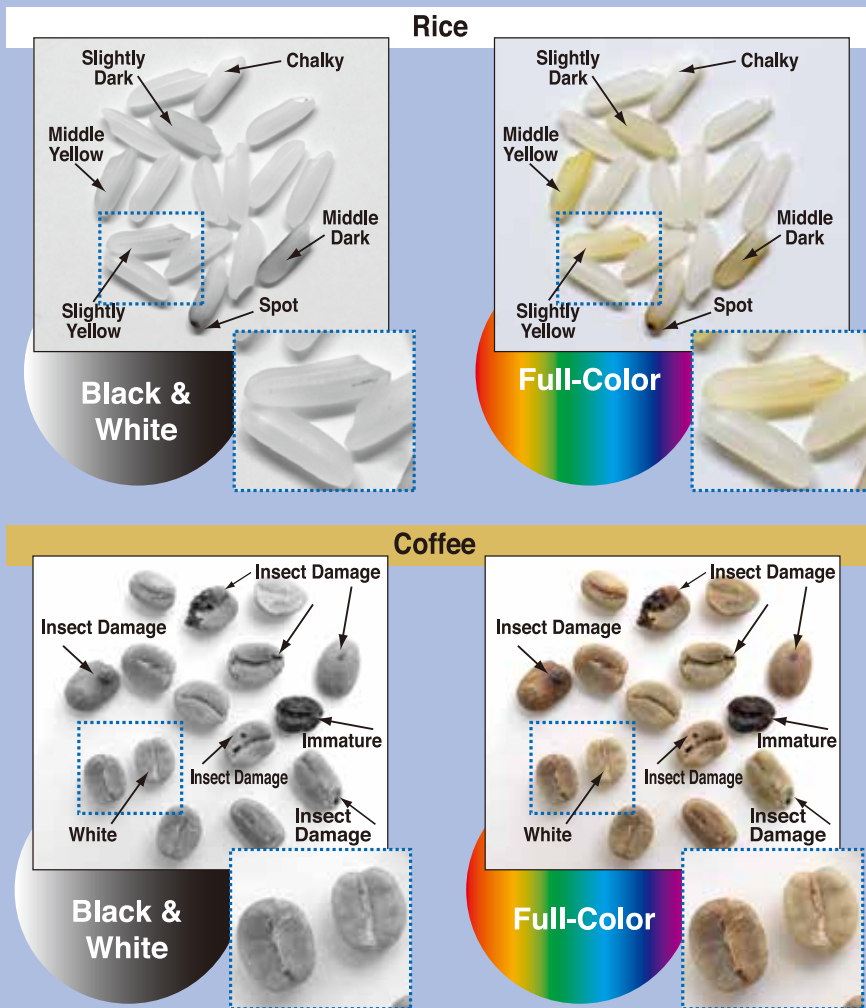
Precise sorting is achieved with three stage sorting system. Rejects from primary-sort will be sorted twice to minimize product loss. * DIS model only

Ease of Operation by Advanced User Control



Automatic Sensitivity Creation

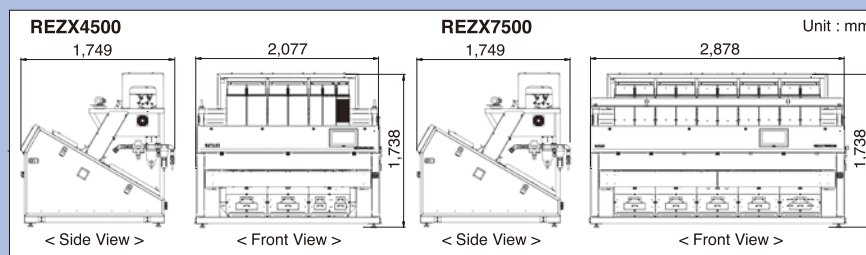
Comparison of Monochromatic and Full Color Sorting



Dimensions(mm) & Specifications

Model	REZX4500			REZX7500		
	Bl(All Primary)	AIS(Resort)	DIS(Tertiary)	Bl(All Primary)	AIS(Resort)	DIS(Tertiary)
Chute Width & Nos.	224mm x 6pcs	224mm x 4pcs	224mm x 4pcs	224mm x 10pcs	224mm x 6pcs	224mm x 6pcs
	-	224mm x 2pcs	146mm x 2pcs	-	224mm x 4pcs	224mm x 2pcs
	-	-	146mm x 1pc	-	-	224mm x 2pcs
Capacity (t/h)	Long-grain rice 7 ~ 10	5 ~ 7	6 ~ 9	10 ~ 15	6 ~ 9	12 ~ 18
	Wheat / Barley 12 ~ 18	8 ~ 12	~ 12	15 ~ 30	~ 12	~ 12
	Coffee ~ 12	~ 8	~ 8	~ 20	~ 12	~ 12
Ejector Pitch (mm)	5					
Air Compressor (kW)	11 ~ 15			11 ~ 22		
Power Supply (V)	Single Phase 200 ~ 240					

* Nominal capacities based on 3-5% contamination. Sorting performance varies depending on variety, condition of material and initial contaminations.



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SATAKE CORPORATION

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

Korea Branch
Alpha mighty Dunsan Building, 16F,
239, Daedeok-daero, Seo-gu, 35229
URL : <https://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.
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
URL : <https://satake-group.com>

SATAKE VIETNAM CO., LTD.
Copac Square 12 Ton Dan street, Floor
3A, Ward 13, District 4, HCMC, Vietnam
URL : <https://satakevietnam.com>

SATAKE MANUFACTURING (SUZHOU) CO., LTD.
229 Jin Feng Road, Suzhou New
District, Suzhou City, 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.