

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 *

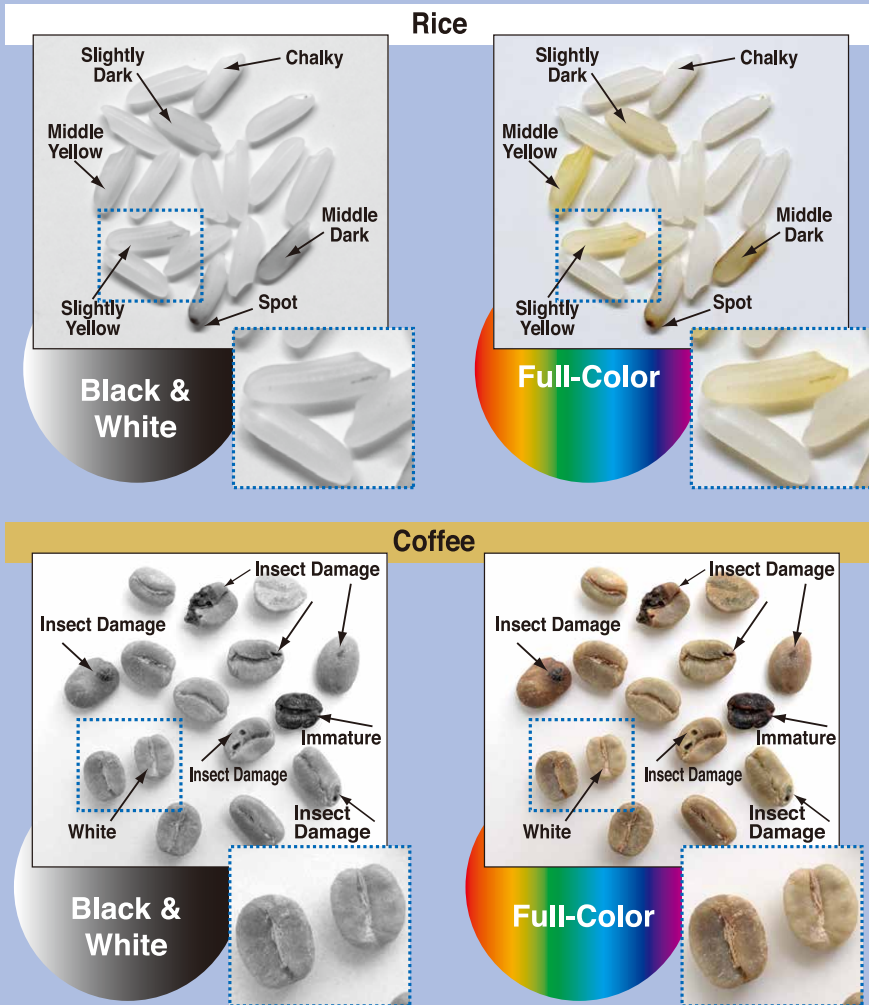
Precise sorting is achieved with three stage sorting system. Rejects from primary-sort will be sorted twice to minimize product loss. * DIS model only

Ease of Operation by Advanced User Control



Automatic Sensitivity Creation

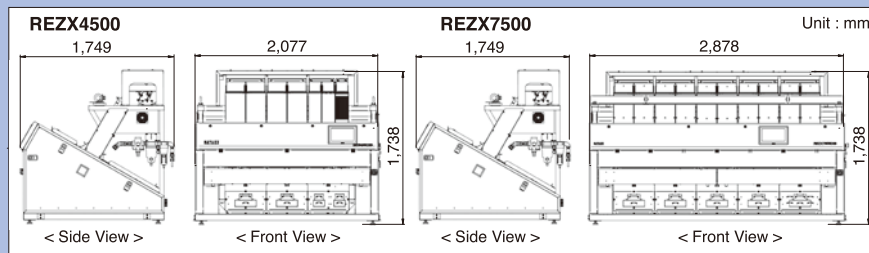
Comparison of Monochromatic and Full Color Sorting



Dimensions(mm) & Specifications

Model	REZX4500			REZX7500		
	BI(All Primary)	AI(S(Resort))	DI(Tertiary)	BI(All Primary)	AI(S(Resort))	DI(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
Capacity (t/h)	Long-grain rice	7 ~ 10	5 ~ 7	10 ~ 15	-	6 ~ 9
	Wheat / Barley	12 ~ 18	8 ~ 12	15 ~ 30	-	12 ~ 18
	Coffee	~ 12	~ 8	~ 20	-	~ 12
Ejector Pitch (mm)	5			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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ISO 14001 Certification (Environmental Management Systems)	