
SATAKE GRAIN COLOR SORTER

RMGS SERIES



RMGS560AMS

FOREMOST IN THE GRAIN WORLD
SATAKE CORPORATION

Satake Corporation has developed new Grain Color Sorter RMGS Series.

This sorter design uses the most advanced available electronics technology, and is equipped with both CCD and NIR sensors. Digital image processing is incorporated to detect and reject even the smallest defects from milled rice at high production rates.

The RMGS Series, AMS/BM type have exceptional capability for the removal of glass and white stones from grain by using NIR sensor.

FEATURES

1. Significantly Decreased Good Grains In Rejects:

Individual grain is precisely distinguished by using digital image processing to remove the rejects. As a result, fewer good grains are lost to the rejects.

2. Higher Sorting Accuracy:

Sorting accuracy has been significantly improved by the use of CCD sensors, which have five time higher resolution capabilities than conventional ones. Small defects can be sensed and rejected with much higher accuracy.

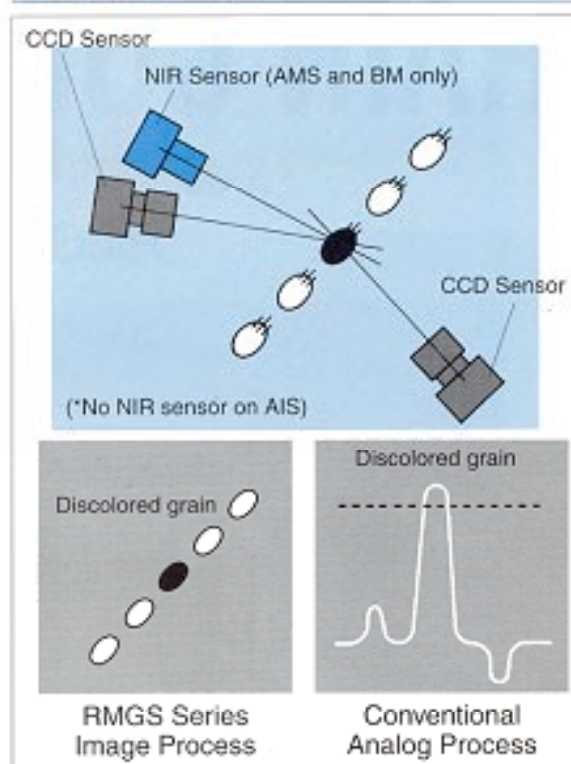
3. Sorting Capability For Any Rice:

Because of its computerized control system, the RMGS Series can be applied for any kinds of rice. Thus, it is capable of simultaneous sorting of chalky rice and discolored rice, as well as transparent and white resin and glass.

4. Lower Air Consumption:

The shorter distance between the ejector nozzle and grain to be ejected reduces compressed air consumption by two-thirds than conventional models.

PRINCIPLES



SPECIFICATIONS

Model		RMGS 280			RMGS 560			RMGS 840		
		AMS	BM	AIS	AMS	BM	AIS	AMS	BM	AIS
Max. processing capacity (t/h) at less than 0.5% contamination		3.6	5.4	3.6	9.0	10.8	9.0	12.6	16.2	12.6
Applications		<ul style="list-style-type: none">Discolored grain, stone, glassChalky riceMilk white resin, smoked glass, stone, ceramics (AMS, BM only)Transparent resin, glass (AMS, BM only)								
Power		AC 200V, single phase								
Required power (Incl. Heater)	Rated (kW)	1.2			2.0			2.4		
	Max. (kW)	1.7			3.0			3.9		
Required air volume	Compressor (NI/min.)	200~500			400~1000			600~1500		
	Dust collector (m³/min.)	7						12		
Dimensions	Height (mm)				1900					
	Depth (mm)				1550					
	Width (mm)	950			1310			1670		
Net weight (kg)		400			520			650		

* Flow capacity varies according to the kind of materials, applications and initial contamination.

* Higher capacity compressor may be necessary when the contamination is high.

* AMS and AIS types are equipped with secondary sorting.

* Specifications subject to change without notice.

Since 1896

CAT NO. IV-5-(29)(30)

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