

Full-Color RGB Sorting

OPTICAL SORTER

RGBR 3001 / 5001 DIS



RGBR5001DIS

OPTICAL SORTER RGBR

OPTICAL SORTER

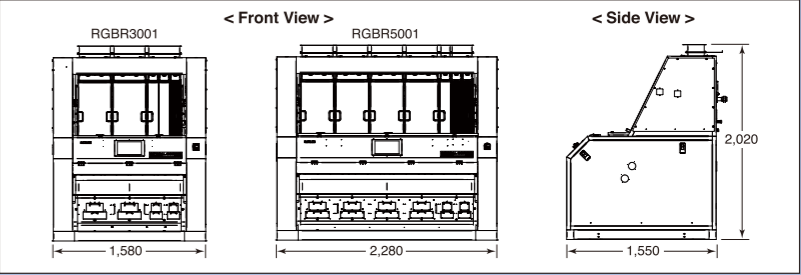
Specifications

Model		RGBR3001DIS
Chute	PrimarySorting	336mmx 2 Chutes
	SecondarySorting	110mmx 2 Chutes
	TertiarySorting	110mmx 1 Chute
Power Supply (V)		Single Phase 200 - 240
Required Power (kW)		1.1
Required Air Volume (NL/min)		600 - 1,500
Power of Air Compressor (kW)		5.5 - 11.0
Net Weight (kg)		952

Model		RGBR5001DIS
Chute	PrimarySorting	336mm x 3 Chutes
	SecondarySorting	336mm x 1 Chute, 110mm x 1 Chute
	TertiarySorting	110mm x 2 Chutes
Power Supply (V)		Single Phase 200 - 240
Required Power (kW)		2.0
Required Air Volume (NL/min)		1,000 - 2,000
Power of Air Compressor (kW)		7.5 - 15.0
Net Weight (kg)		1,300

- * Sorting performance varies depending on variety, condition of material, and initial contaminations.
- * The higher of the reject rate of incomings, the more compressed air consumption.
Pay attention the volume of air compressor.
- * Excluding the conveyor, which supplied by the customers.
- * Chute is changeable depending on the requirements of the end-users.

Dimensions



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
ISO9001 and ISO14001 certification.
These international standards for
management systems ensure Satake will
continue to provide high quality
products and services.

A true revolution in Color Sorting...



White Rice



Brown Rice



Lentil



Wheat



Coffee Bean



Sesame Seed



Mung Bean



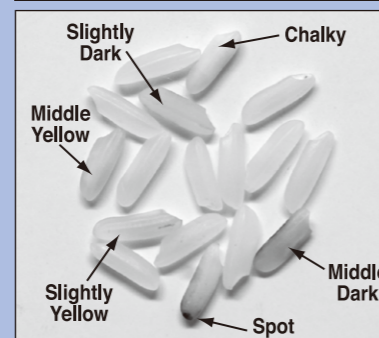
Corn Seed

OPTICAL SORTER WITH FULL-COLOR CAMERA

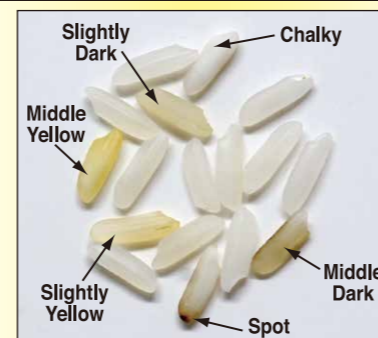
This large-capacity optical sorter features advanced full-color sorting technology with RGB camera image analysis and is ideally suited to sort grains, beans, and many other products in a plant environment. This machine is equipped with the latest advances in digital optical sorting technology. A full-color camera recognizes subtle differences in color, contributing to food security and improving your product's appearance.

Comparison of Sensing

Rice

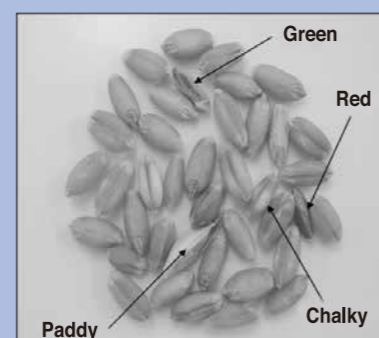


Black & White



Full-Color RGB

Wheat

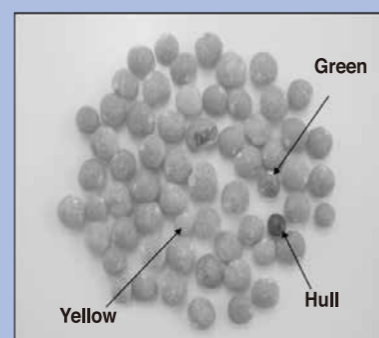


Black & White

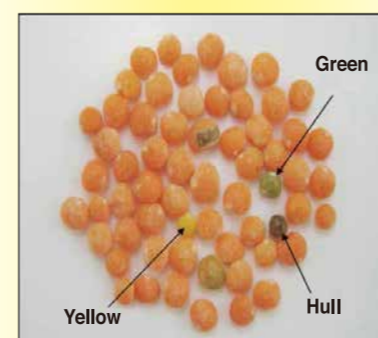


Full-Color RGB

Lentil



Black & White



Full-Color RGB

A milestone achieved for our all customers.

Features:

1. Higher Quality Sorting

New digital image processing and automatic image adjustment functions can be adjusted for each raw material, allowing accurate sorting of many materials.

2. Higher Capacity

336mm wide chute provides high processing capacity. Two chute types are available: flat and grooved. Optional mounting parts are also available to optimize chute material flow.

3. 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.

4. LED Lighting

LED lighting is applied for optical section to maintain good performance and also long lifetime will reduce machine's running cost.

