

Full-Color RGB and NIR Sorting

OPTICAL SORTER

RGBR3401 / 5401 Series



RGBR5401DMS

1) FULL COLOR CAMERAS

The machine is equipped with Japan's latest full color cameras which allow the sorter to match the eye's ability to see true color. The smallest color deviations are identified and rejected.

2) ADVANCED COLOR TOUCH SCREEN

The Large modern color touch screen is designed for easy use and is operated the same way as smart-phones (flick scrolling)

3) AUTOMATIC PROFILING

The machine incorporates advanced software to evaluate the color profile of the product application. It then automatically creates the sensitivity settings for accurate defect removal.

4) SHAPE SORTING

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

5) NIR FUNCTION

The NIR camera detects inorganic foreign material such as stones, plastic, glass and other items that have a similar colour to the accept product.

6) TERTIARY SORTING

Precise sorting is achieved with a three stage sorting system. Rejects from the primary sort can be resorted twice, within one unit, to maximise the reject concentration

The machine serves the latest requirements for sorting rice, lentils, coffee beans, and cereals etc.

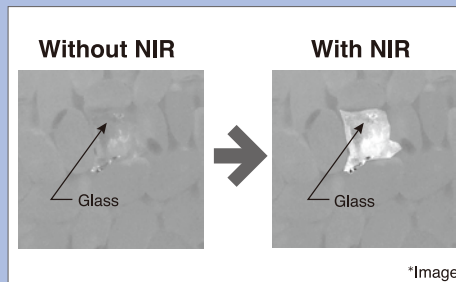


Satake's all new full color optical sorter will provide you with the best solution in color sorting.

Near Infrared (NIR) Camera

Impurities such as glass, plastic and stones which have the same color as the accept material cannot always be detected by a full color camera.

The RGBR series, along with a full color camera, also has the ability to detect and remove foreign materials utilising a high technology NIR camera.

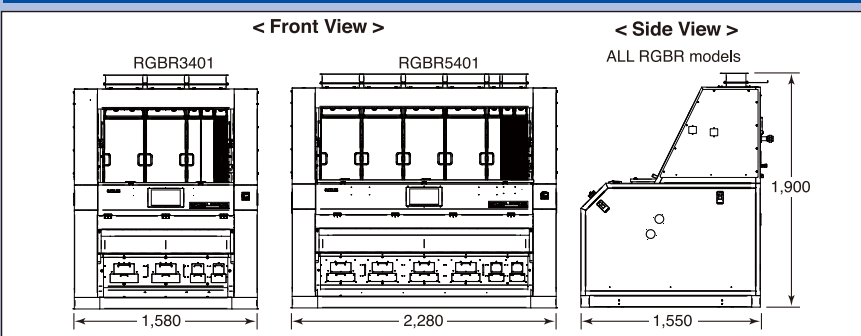


Specifications

Model		RGBR3401BI (BM)	RGBR3401AIS (AMS)	RGBR3401DIS (DMS)	RGBR5401BI (BM)	RGBR5401AIS (AMS)	RGBR5401DIS (DMS)
Number of chutes	Primary sorting	Flat 336x3	Flat 336 x 2	Flat 336 x 2	Flat 336 x 5	Flat 336 x 3	Flat 336 x 3
	Secondary sorting	-	Flat 336 x 1	Flat 112 x 2	-	Flat 336 x 2	Flat 336 x 1, 112 x 1
	Tertiary sorting	-	-	Groove 112 x 1	-	-	Groove 112 x 2
Capacity (t/h)	*1,2 White rice	1.8-19.8	1.2 - 13.2	1.2 - 13.2	3.0 - 33.0	1.8 - 26.4	1.8 - 19.8
	Wheat/Barley	1.8-9.9	1.2 - 6.6	1.2 - 6.6	3.0 - 16.5	1.8 - 13.2	1.8 - 9.9
	Coffee	1.8-9.9	1.2 - 6.6	1.2 - 6.6	3.0 - 16.5	1.8 - 13.2	1.8 - 9.9
RGB Camera		6pcs.			10pcs.		
RGB Pixel		2048 pixels			2048 pixels		
NIR Camera *3		- (3pcs)			- (5pcs)		
Light Source for RGB		LED			LED		
Light Source for NIR		- (IR-LED)			- (IR-LED)		
Ejector Valve		252pcs.			420pcs.		
Ejector Pitch		4mm			4mm		
Air Consumption		600-1,500NL/min			1,000-2,000NL/min		
Compressor		5.5-11.0kW			7.5-15.0kW		
Power Supply		Single Phase 200-240V			Single Phase 200-240V		
Power Consumption		1.1kW			2.0kW		
Operation		Full Color Touch Panel 12 Inch			Full Color Touch Panel 12 Inch		
Net weight(kg)		920			1615		
Dimensions(mm)		W1,580 X L1,550 X H1,900			W2,280 X L1,550 X H1,900		

*1 Capacity for all products. *2 Sorting performance varies depending on variety and contamination of material. *3 NIR function is an option.

Dimensions(mm)



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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.