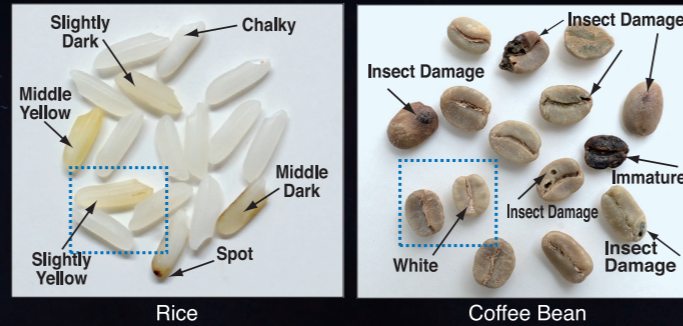


The *Ultimate* Solution in Optical Sorting

NIRAMI, Satake's brand new full color optical sorter has arrived. Offering the ultimate solution in optical sorting, NIRAMI is sure to fulfill your sorting needs. A distinctive posture seen in the classical Japanese drama of Kabuki, NIRAMI means "to look intensely".

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. Even the smallest color differences are identified and rejected.



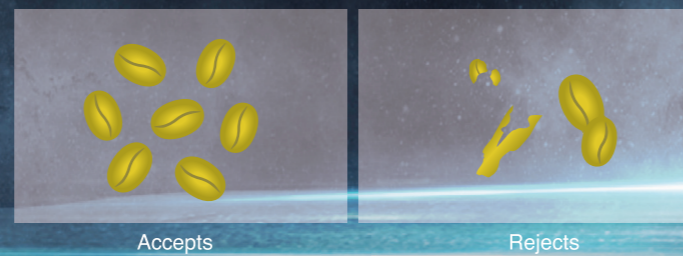
Near Infrared (NIR) Camera

The NIR camera detects inorganic foreign material such as stones, plastic, glass and other items that have a similar color to the accept product. 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. Featuring both NIR high technology camera and RGB full color cameras the NIRAMI has the ability to detect and remove foreign materials.



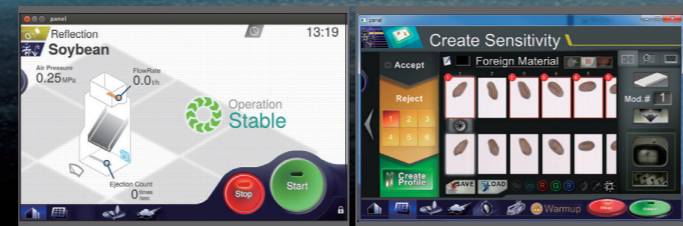
Shape Recognition

Shape recognition technology enables the machine to sort the material by shape (such as broken or adhered) which conventional color sorters could not achieve.



Advanced 3S Software

The 12 inch touch screen is designed for easy use. The user-friendly interface with simple icons and images provides intuitive operation of the machine. The advanced software evaluates the product application and automatically creates the sensitivity for accurate defect removal.



Remote Panel Control

optional service

Optional remote access via secure internet connection allowing the flexibility to monitor performance and provide diagnostic support.



Easy Clean



The open type body enables easy access to the cleaning positions.

Sort Various Materials

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



High Sorting Capacity



3 to 7 extra-wide chutes (sorting modules) to suit all capacity requirements.

LED Operation Indicator

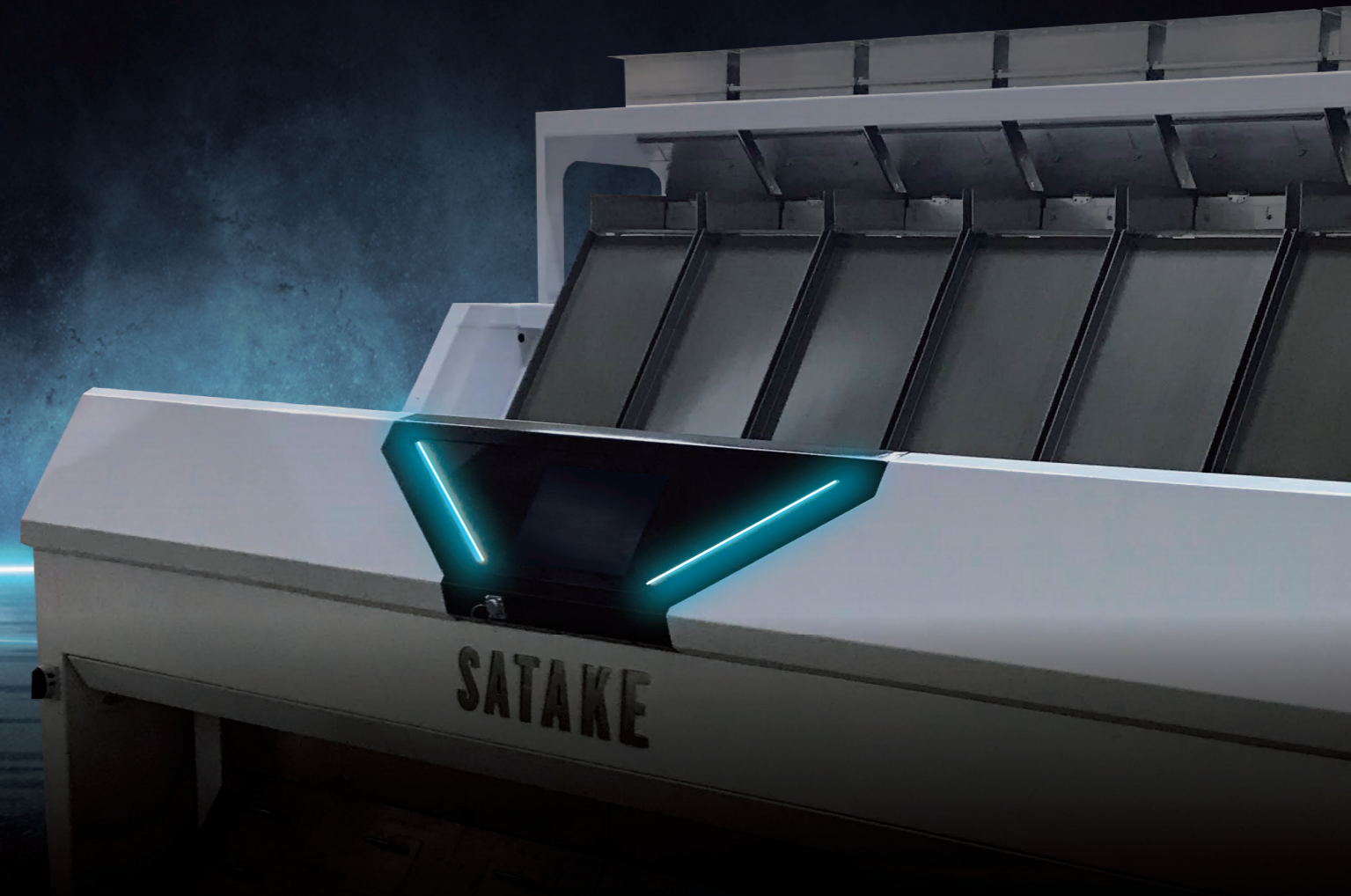


An LED operation indicator on the front of the NIRAMI allows operators to see the machine status at a glance.

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.



Specifications / Dimensions

Model Number	NRM3BI-T	NRM3AIS-T	NRM3DIS-T	NRM5BI-T	NRM5AIS-T	NRM5DIS-T
With Optional NIR	NRM3BM03-T	NRM3AMS03-T	NRM3DMS03-T	NRM5BM03-T	NRM5AMS03-T	NRM5DMS03-T
Chutes - Quantity	Primary sorting	Flat 336 mm x 3 pcs.	Flat 336 mm x 2 pcs.	Flat 336 mm x 2 pcs.	Flat 336 mm x 5 pcs.	Flat 336 mm x 3 pcs.
	Secondary sorting		Grooved 336 mm x 1 pc.	Flat 110 mm x 3 pcs.		Grooved 336 mm x 2 pcs.
	Tertiary sorting			Grooved 112 mm x 1 pc.		Flat 336 mm x 1 pc., Flat 110 mm x 1 pc.
Capacity	White rice	1.8 ~ 19.8 t/h	1.2 ~ 13.2 t/h		3.0 ~ 33.0 t/h	1.8 ~ 19.8 t/h
	Brown rice	1.8 ~ 9.9 t/h	1.2 ~ 6.6 t/h		3.0 ~ 16.5 t/h	1.8 ~ 9.9 t/h
	Wheat/Barley	1.8 ~ 9.9 t/h	1.2 ~ 6.6 t/h		3.0 ~ 16.5 t/h	1.8 ~ 9.9 t/h
RGB Cameras	6 pcs.			10 pcs.		
Light Source for RGB	LED			LED		
NIR Cameras	3 pcs.			5 pcs.		
Light Source for NIR	LED			LED		
Ejector Valves	252			420		
Ejector Pitch	4 mm			4 mm		
Air Consumption	600 – 1,500 NL/min			1,000 – 2,000 NL/min		
Compressor	5.5 – 11.0 kW			7.5 – 15.0 kW		
Power Supply	Single Phase, AC200-240V					
Operation Screen	12 inch color touch panel					
Net weight	1,020 kg			1,550 kg		
Dimension	W 1,728 mm x L 1,633 mm x H 1,720 mm			W 2,447 mm x L 1,633 mm x H 1,720 mm		

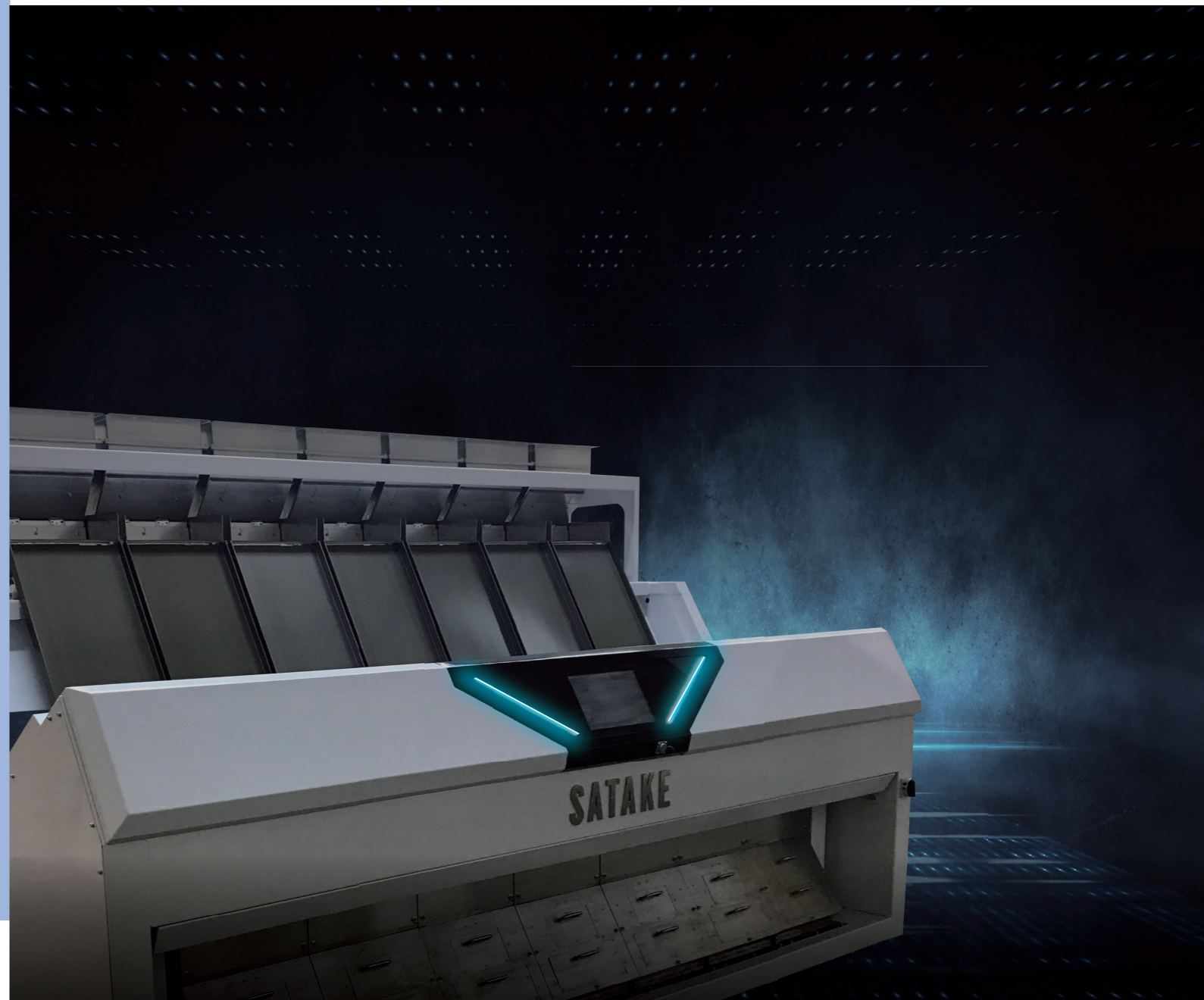
Model Number	NRM7BI-T	NRM7AIS-T	NRM7DIS-T
With Optional NIR	NRM7BM03-T	NRM7AMS03-T	NRM7DMS03-T
Chutes - Quantity	Primary sorting	Flat 336 mm x 7 pcs.	Flat 336 mm x 5 pcs.
	Secondary sorting		Grooved 336 mm x 2 pcs.
	Tertiary sorting		Grooved 336 mm x 1 pc.
Capacity	White rice	4.2 ~ 46.0 t/h	2.7 ~ 30 t/h
	Brown rice	4.2 ~ 23.0 t/h	2.7 ~ 15 t/h
	Wheat/Barley	4.2 ~ 23.0 t/h	2.7 ~ 15 t/h
RGB Cameras	14 pcs.		
Light Source for RGB	LED		
NIR Cameras	7 pcs.		
Light Source for NIR	LED		
Ejector Valves	588		
Ejector Pitch	4 mm		
Air Consumption	1,400 ~ 3,500 NL/min		
Compressor	11.0 ~ 25.0 kW		
Power Supply	Single Phase, AC 200 ~ 240 V		
Operation Screen	12 inch color touch panel		
Net weight	1,960 kg		
Dimension	W 3,106 mm x L 1,633 mm x H 1,720 mm		

* Sorting performance and capacity vary depending on variety, condition of material and initial contaminations

Full-Color RGB, NIR and Shape Sorting



NRM Series



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