

Specifications / Dimensions

Model Number		NRM3BI(2)-T	NRM3AIS(2)-T	NRM3DIS(2)-T	NRM5BI(2)-T	NRM5AIS(2)-T	NRM5DIS(2)-T
With Optional NIR		NRM3BM03(2)-T	NRM3AMS03(2)-T	NRM3DMS03(2)-T	NRM5BM03(2)-T	NRM5AMS03(2)-T	NRM5DMS03(2)-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.	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.	Flat 336 mm x 1 pc., Flat 110 mm x 1 pc.
	Tertiary sorting			Grooved 112 mm x 1 pc.			Grooved 112 mm x 2 pcs.
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					
NIR Cameras		3 pcs.			5 pcs.		
Light Source for NIR		LED					
Ejector Valves		252			420		
Ejector Pitch		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		
Option		Full closed cover					

Model Number		NRM7BI(2)-T	NRM7AIS(2)-T	NRM7DIS(2)-T
With Optional NIR		NRM7BM03(2)-T	NRM7AMS03(2)-T	NRM7DMS03(2)-T
Chutes - Quantity	Primary sorting	Flat 336 mm x 7 pcs.	Flat 336 mm x 5 pcs.	Flat 336 mm x 5 pcs.
	Secondary sorting		Grooved 336 mm x 2 pcs.	Flat 336 mm x 1 pc.
	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		
Option		Full closed cover		

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

All copyright and trademark rights of this catalog belong to Satake Co.,unless otherwise noted. Unauthorized copying, reprinting, etc. are forbidden.
All Satake products are the subject of continuous development and, as a result, their specification may change and differ in detail from those shown.

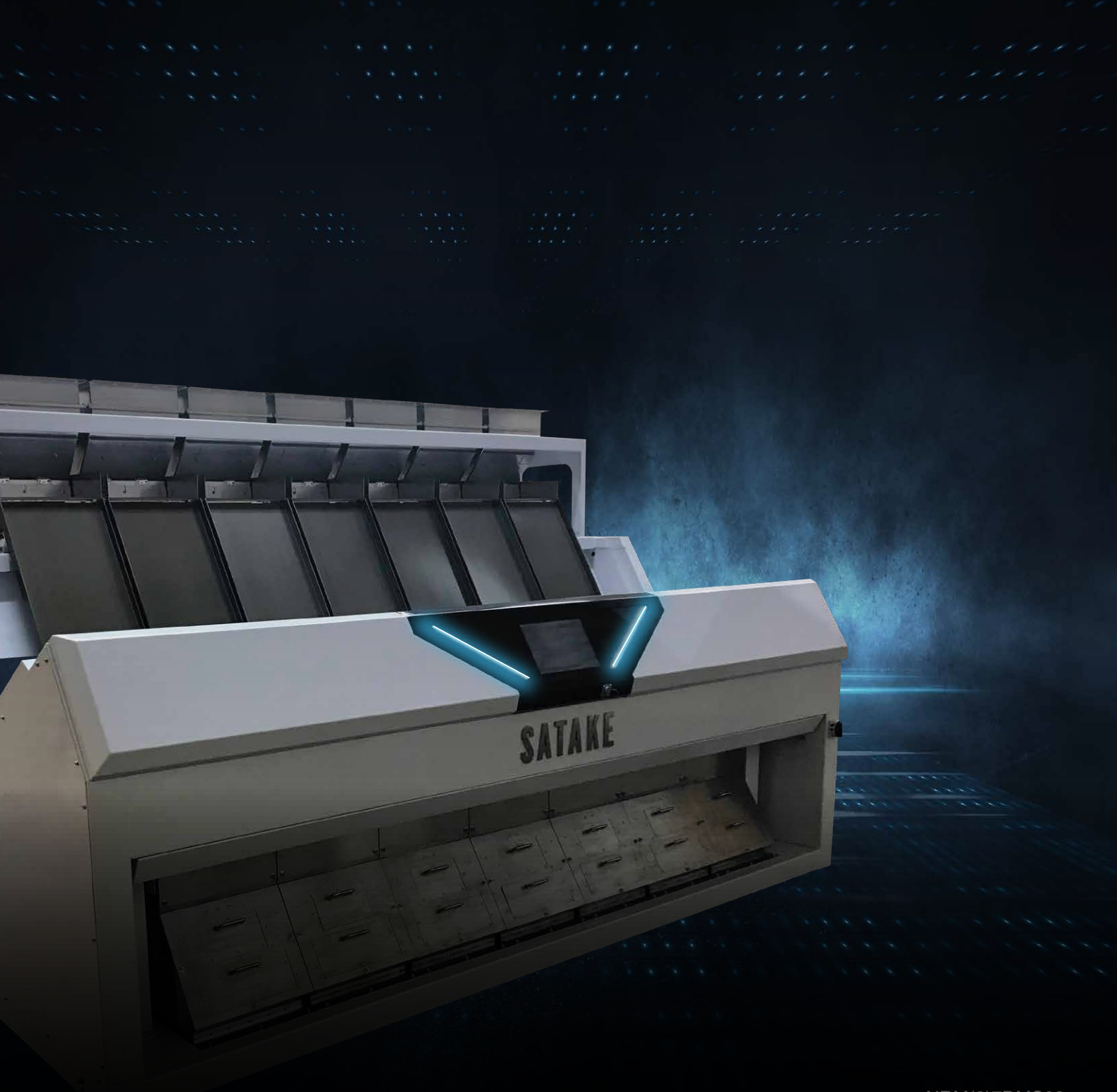
SATAKE CORPORATION

Head Office 2-30 Saijo Nishihonmachi, Higashi-Hiroshima-shi, Hiroshima-ken, 739-8602, Japan URL : https://satake-group.com	SATAKE USA INC. 10900 Cash Road, Stafford, Texas, 77477, U.S.A. URL : www.satake-usa.com	SATAKE AMERICA LATINA LTDA. Rua Xavantes, 155-Pav. 20, Bairro Atiradores, CEP 89203-210, Joinville, Santa Catarina, Brazil URL : www.satake.com.br	SATAKE EUROPE LTD. Horsfield Way, Bredbury Industrial Park, Bredbury, Stockport, Cheshire, SK6 2SU, U.K. URL : www.satake-europe.com	SATAKE INDIA ENGINEERING PVT. LTD. 4th Floor, Tower-1, HB Twin Towers, A2, 3, 4, Netaji Subhash Place, Wazirpur District Centre, New Delhi, 110034, India URL : www.satakeindia.com			
SATAKE (THAILAND) CO., LTD. 133,134 Moo 5, Bangkadi, Mueang Pathum Thani, Pathum Thani 12000, Thailand URL : www.satake.th	SATAKE ASIA CO., LTD. No.101, True Digital Park Griffin Building, 14th Floor, Unit No.1407, Sukhumvit Rd.Bangchak, Phra Khanong, Bangkok, 10260, Thailand URL : www.satake.th	PT. SATAKE GOBEL INDONESIA Gedung Surabaya Bumi Mandiri, Lantai 9, Jalan Jenderal Basuki Rachmat Nomor 129-137, Unit 905 B, Indonesia URL : https://satake-group.com	SATAKE VIETNAM CO., LTD. 1st Floor, Saigon Port Building, No.03 Nguyen Tat Thanh Street, Ward 13, District 4, HCMC, Vietnam URL : https://satakevietnam.com	SATAKE MANUFACTURING (SUZHOU) CO., LTD. 229 Jin Feng Road, Suzhou New District, Suzhou City, Jiangsu Province, 215129, China URL : www.satake.cn			
SATAKE AUSTRALIA PTY. LTD. 15 Leland Street, Penrith, N.S.W., 2750, Australia URL : www.satake.com.au	<table><tr><td>ISO 9001 Certification (Quality Management Systems)</td><td rowspan="2">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.</td></tr><tr><td>ISO 14001 Certification (Environmental Management Systems)</td></tr></table>				ISO 9001 Certification (Quality 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.	ISO 14001 Certification (Environmental Management Systems)
ISO 9001 Certification (Quality 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.						
ISO 14001 Certification (Environmental Management Systems)							

Full-Color RGB, NIR and Shape Sorting



NRM Series



NRM(2)7DMS03

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.

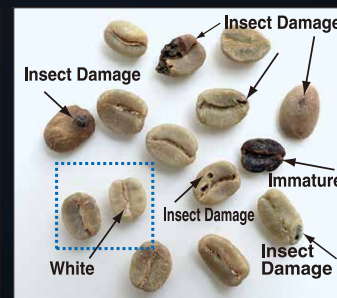


Rice

Coffee Bean



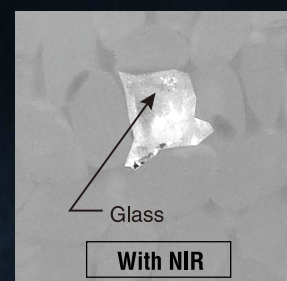
Rice



Coffee Bean

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.

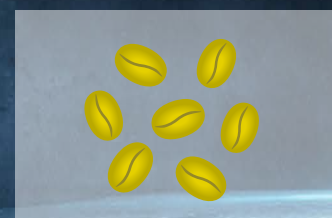


*Image

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.

*Sorting performance varies depending on variety, size and contamination of material.



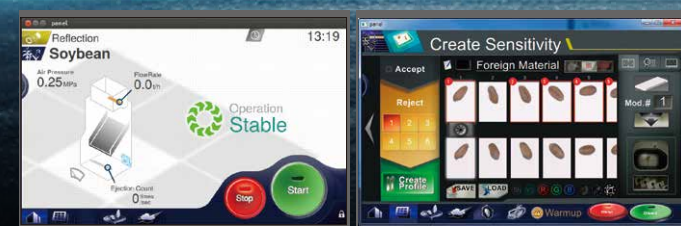
Accepts



Rejects

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.



Accepts

Rejects



Coffee Beans

Lentil

Beans

Brown Rice

Corn Seed

Wheat

Mustard Seed

Plastics

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.