

Modular Design

Available as one, two or three module units all controlled with one touch screen. Single and double units can have additional modules added on site allowing for capacity expansion.



Flexible Configurations

Each module has the option of full chute width or split chute to create flexible resort options. Combining multiple modules offers a broad range of resort configurations.

Specifications / Dimensions

Model Number	VQS1	VQS2	VQS3
Chutes	1 x 240mm	2 x 240mm	3 x 240mm
RGB Cameras	2	4	6
Light Source for RGB	4-colour LED		
NIR Cameras	2	4	6
Light Source for NIR	NIR LED		
Ejector Valves	Piezo		
Input Sensors	Low Level		
Air Consumption	240 NL/min	480 NL/min	720 NL/min
Compressor	5.5 ~ 11.0 kW	6.0 ~ 12.0 kW	7.5 ~ 15.0 kW
Power Supply	Single Phase, AC 200 to 240 V		
Power Required	1.0 kW	2.0 kW	3.0 kW
Dust Extraction	4 m3/min	8 m3/min	12 m3/min
Net Weight	230 kg	410 kg	590 kg
Dimensions (mm)	W 900 x L 1330 x H 1450	W 1340 x L 1330 x H 1450	W 1780 x L 1330 x H 1450

All Satake products are the subject of continuous development and, as a result, their specification may change and differ in detail from those shown.

Founded in 1896, Satake is one of the world’s leading manufacturers of equipment for rice, wheat, maize and pulse processing. With production, sales and service locations across the globe Satake deliver a tailored service for each customer’s needs, from spares to turnkey projects.

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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

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Full Colour RGB, Multi-NIR and Shape Sorting

SLASH®

VQS Modular Series



SATAKE CORPORATION

SLASH VQS Modular Series

The Slash VQS series showcases Satake's latest technological innovations and customer centred design. Delivering precision sorting with maximised efficiency and minimised loss of product, maintaining Satake's unwavering commitment to quality and durability.

Continuously Evolving Software

Developed by Satake, the 3S software allows users to simply drop accept and reject product into the sorter, the system rapidly analyses the data and uses multiple complex algorithms to automatically create the sort settings. Shape recognition allows rejects to be identified by area, length and thickness.

Multiple Defect Ejection Timings

Ensures precise ejection of defects with different densities, further reducing product loss.

Mixed Wavelength Detection



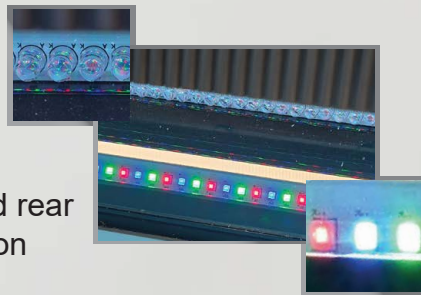
Satake's unique software can now simultaneously analyse and combine data from the two different NIR wavelength cameras plus the colour cameras to identify organic and inorganic defects of similar appearance to the accept product.

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



Optimizing Advanced Hardware

Satake's patented image processing technology utilises 4-colour LEDs plus NIR LEDs and multidirectional / optimized LED placement. Combined with the high resolution front and rear RGB cameras, independent front and rear NIR cameras and Satake 3S Software, Slash consistently achieves precision results on the most complex of sorts at the touch of a button.



High Speed Piezo Ejectors

The ultimate in precision defect removal - Piezo Ejectors out perform solenoid valves in every way.



Developed and patented by Satake, Piezo ejectors bring a new level of technology to optical sorting.

High speed opening and closing
minimizes good product rejection

Reduced costs
reduced power and air consumption

Durability
high specification materials

Unrivalled accuracy, consistency and reliability



Innovative Design

Modular system designed for flexibility

- Multiple modules controlled through one touch screen
- System can grow from one to three modules
- Resort option also available on single module
- Detachable parts and retractable optics for easy cleaning



Remote / Support



The equipment's operating status can be monitored from the main control room. Remote access via secure internet connection allowing flexibility of control plus optional Satake Engineer Support service.