

# Satake – Optical Colour Sorters



RNEZS 6500



RNEZX 7500



RGBR 5401



FMS-2000

Creating the Future  
**SATAKE**



Evolution 400 & 800

## We See Your Grain Differently

### RNEZS SERIES

Satake's high capacity, cost-effective, full colour precision optical sorter series is ideal for bulk agricultural products such as wheat, lentils, peas and other small grains. The RNEZS Series sorter is able to consistently and effectively sort these product types at high capacity - up to 3.5 tons per hour per chute - for common grains. Secondary and/or tertiary resort capability is also optional if desired. The RNEZS is powered by patent-pending Satake software assuring quick set-up and hassle-free operation. A simple user interface, similar to a smart phone or tablet with touch and flick operation, offers the operator quick adjustments to a number of settings and sensitivities.

### RNEZX SERIES

The next step in the RNEZ series. This model is upgraded from the RNEZ with higher camera resolution, larger touch screen, option for 6 or 10 chutes, as well as shape sorting capability.

### RGBR SERIES

Impurities such as glass, plastic and stone which are invisible or have the same colour as the material cannot be detected with only a full colour CCD camera. The RGBR series has the ability to detect and sort these impurities with a high technology NIR camera inside.

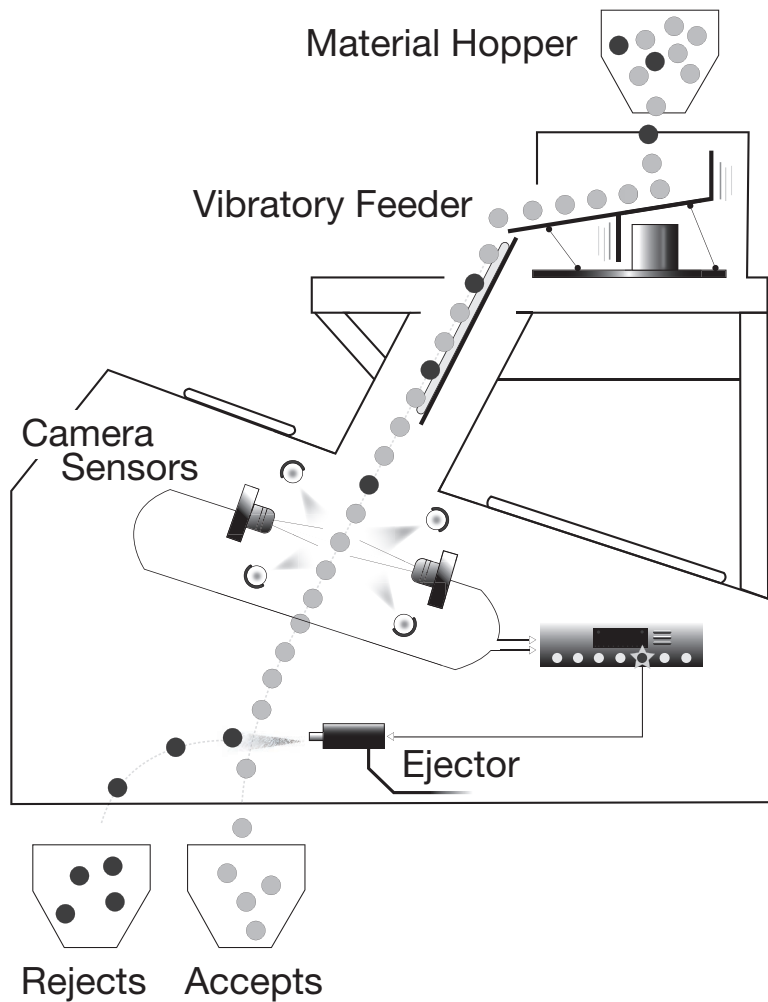
### FMS SERIES

**Modular design allows two units to be connected with one single interface.** Shape sorting comes standard. The FMS-2000 is a portable, cost effective, full colour RGB optical sorting machine for small and medium applications that is efficient at sorting 1-4000 lbs of product per hour. This sorting machine features two-view, high resolution full colour cameras, intuitive touch screen operator interface and compact design.

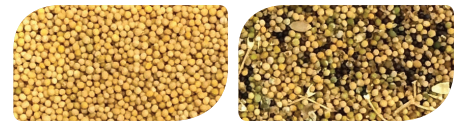
### EVOLUTION SERIES

This full colour sorting machine uses 16 million colours, high-resolution cameras and long lasting LED lighting to detect and remove defects. This machine has the ability to see true colour and precisely sort a wide range of products, even those with small shade differences. Shape sorting is available.

# Satake – Colour Sorter Cutaway



**PEAS**



**MUSTARD**



**DURUM**

Full Colour	FMS 2000	Evolution 400	Evolution 800	RNEZS 2500	RNEZS 6500	RNEZX 4500	RNEZX 7500	RGBR 3401 IR Capabilities	RGBR 5401 IR Capabilities
<b>CAPACITY*</b>	60 BU/HR	200-400 BU/HR	400-800 BU/HR	75-200 BU/HR	225-600 BU/HR	~600 BU/HR	~1000 BU/HR	~500 BU/HR	~900 BU/HR
<b>HEIGHT</b>	81.1"	80.9"	80.9"	68.4"	68.4"	68.4"	68.4"	74.9"	74.9"
<b>WIDTH</b>	18.9"	52.2"	64.5"	54.2"	109"	81.7"	114.2"	62.2"	89.7"
<b>DEPTH</b>	49.6"	62.8"	62.8"	64"	64"	64"	64"	61"	61"
<b>NUMBER OF EJECTORS</b>	48	92	184	136	409	273	455	252	420
<b>CHUTES</b>	1	4	8	3	9	6	10	3	5
<b>CHUTE WIDTH</b>	240 mm	100 mm	100 mm	220 mm	220 mm	224 mm	224 mm	336 mm	336 mm
<b>SHAPE CAPABILITIES</b>	INCLUDED	OPTION	OPTION	N/A	N/A	INCLUDED	INCLUDED	INCLUDED	INCLUDED

\*Capacities are based on 60lb/bu product. Capacity is highly variable.