

# SATAKE

Optical sorting solutions.

## FMSR-IR

### Full Color RGB + Shape + Infrared Optical Sorter

The **FMSR-IR** is an efficient midsize sorter that features Full Color RGB + Shape + Infrared technology. It is ideal for sorting products such as dry beans, corn, nuts, coffee, seeds, plastics and multiple varieties of grain as well. The FMSR-IR features patent-pending Satake software assuring quick set-up and hassle-free operation. Behind every optical sorter is the assurance of Satake's premiere after the sales support and customer service.



MODEL  
**FMSR-IR** (3 chutes)



The Satake FMSR-IR mid-size optical sorter features Full Color RGB + Shape + Infrared technology and a user- friendly, intelligent software interface.

## Typical Product Applications



Corn



Dry Beans



Coffee



Soybeans



Wheat



Plastics

## Features and Benefits

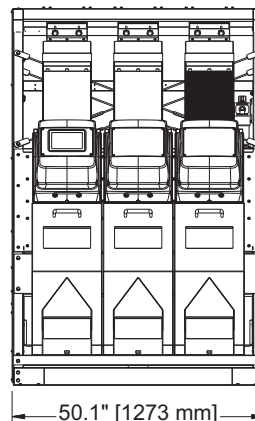
The **Satake FMSR-IR** optical sorter is ideal for medium to-high capacity processing lines. The FMSR-IR features Full Color RGB + Shape + Infrared technology.

- » Full color high resolution RGB camera technology (0.14 mm/pixel)
- » Infrared Cameras are standard
- » Size and Shape Sorting
- » Precision 5mm air ejectors
- » Stainless Steel removable Accept/Reject Hoppers for easy cleaning and increased sanitation
- » Real time accept and reject sampling
- » Satake 3S Smart Sensitivity Software
- » Automatic accept and defect profile creation
- » Advanced touch screen user interface
- » No downtime for calibration
- » 240mm wide chutes with vibratory feeder system

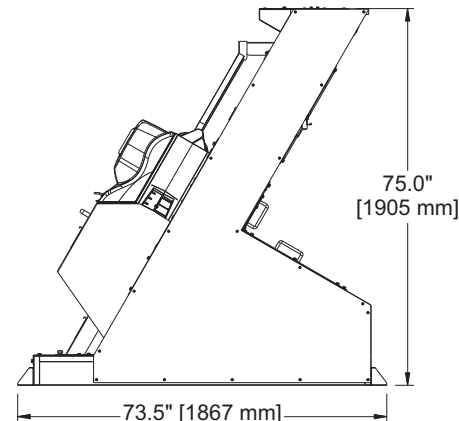
## Specifications

		<b>FMSR03-IR</b>
Sorting Width	240mm x 3 = 720mm	
Camera	RGB Full Color Cameras and NIR Cameras	
Light Source	RGB	CCFL
	NIR	LED
Air Ejector Count	144	
Power Supply	Single Phase, AC200-240V	
Required Air Volume (100L/min. ejector)	60CFM 1700L/min.	
Dust Collector	1200CFM 34m3/min.	
Required Power	1.8kW	
Operation Screen	Full Color Touch Screen	
Dimension	50.1in.(W) x 73.5in.(L) x 75.0in.(H) 1273mm(W) x 1867mm(L) x 1905mm(H)	
Net Weight	900lb 405kg	
Standard Operating Environmental Conditions	Temperature: 32-104degF (0-40degC) Humidity: 85% or less (non-condensing)	
Noise Level	86dB	

## Dimensions



50.1" [1273 mm]



73.5" [1867 mm]

Satake is a global provider of optical sorting solutions. If you are interested in a free demonstration using your product, or if you need more information, contact us at [vision@satake-usa.com](mailto:vision@satake-usa.com).

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