



# Autosort

## MC-D series

MULTI - CHROMATIC "ALL ROUND VISION" SORTER

MC-D72

## Features

### MORE THAN COLOUR

- Inspection in 4 specific parts of the spectrum from blue to infrared
- Unique spectral signature sorting
- Rapid LED lighting
- Radix 'Snapshot' processing technology
- High resolution cameras - from 0.5mm

### MATCHING CAPABILITIES WITH BUDGETS

- 672mm or 1344mm inspection width
- Compact footprint, easy washdown
- Top only, double-sided or full surround viewing

### PRECISE REJECTION

- Patent pending ejector configuration
- 64 or 128 fast ejectors
- Minimum of good product removed

### FIT AND FORGET

- Easy set-up, large touchscreen
- Foreign languages
- Automatic alarms and reports
- Auto-calibration and self-cleaning
- Remote maintenance

## Applications

- Dry, fresh, frozen or processed foods
- Size and colour sorting
- Wide range of vegetables
- Fruits; sliced, diced, dry or frozen
- Snack foods, natural or manufactured
- Nuts, seeds and pulses
- Potato products; fries, dehydrates, formed
- Removal of discoloured product  
rot, skin, brown, yellow, burn etc
- Foreign body and contamination sorting  
insects, wood, stone, plastic, leaves, EVM, shell, etc
- Damaged product removal  
broken, squashed, burnt, bruised



KEEPING AN EYE ON YOUR PRODUCT

# Autosort MC-D72 series

MULTI - CHROMATIC SORTER WITH **DOUBLE-SIDED VIEWING** FOR EFFICIENT REMOVAL OF COLOUR AND SIZE DEFECTS

## The Operation

The AUTOSORT MC Range uses a rapid sequence of light to obtain "more than colour" information from the product. Often, even very similar colours can be differentiated, and the infra-red capability improves detection of foreign bodies. The camera information is processed by ultra-fast digital signal processors, and commands are sent to one or more ejectors to remove the unwanted item efficiently.

Having cameras above and below the product, the MC-D72 is specifically configured for efficient sorting of defects showing only from one aspect, be it a side, top or bottom. After being spread on a vibratory feeder, the product accelerates down the chute and is inspected in flight by the 2048-pixel line-scan cameras. Defects and contaminants are removed by short puffs of air from ejectors positioned close to the product flow. This patented configuration of the ejectors ensures very high efficiency and low wastage of good product. Application-specific take off chutes ensure gentle handling of fragile product.

## The Benefits

Human inspectors cannot see all round the product and their diligence is limited. The Autosort MC-D ensures that even small defects on any side of the product are not missed, giving the assurance of full inspection. By removing discoloured items and contamination, the quality and value of the finished product is increased. The customer is rewarded with consistent product, and food safety is enhanced by ensuring that foreign bodies and contamination are removed. Surround vision giving all round added value !

## The Company

Radix Systems Limited, an ISO 9001 accredited company since 1992, is committed to improving quality within manufacturing and process industries. All our sorting and inspection systems carry the 'CE' marking and are technologically advanced whilst remaining simple to install, operate and maintain. Full back-up and training is available from the company and from our international agents.

### Radix Systems Limited

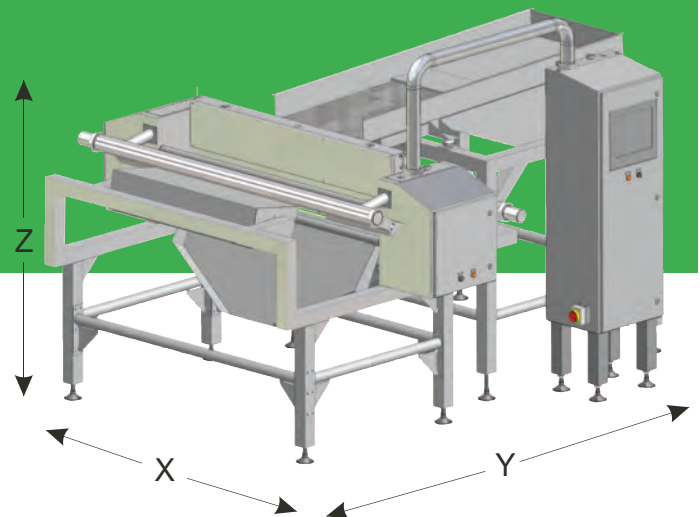
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### Model options

MODEL	MC-D721	MC-D722
NO. OF NOZZLES	64	128
LIGHTING	1, 2, 3, or 4 colours	
NO. OF CAMERAS	1, 2, or 4	
INSPECTION WIDTH (mm)	672	1344
DIM X (m)	1.88	2.55
DIM Y (m)	3.23	3.23
DIM Z (m)	1.83	1.83

### Typical capacities kg/hr

RICE CAKES	500	1000
NUTS	2500	5000
DEHYDRATES	900	1800



Represented by: