



Autosort

MC-P series

ELECTRONIC SORTER/GRADER FOR SIZE, SHAPE AND COLOUR

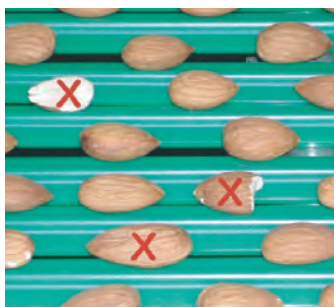
MC-P

Features

- High capacity - over 50,000 pieces/min
- High accuracy - better than 0.5mm for length or width
- Virtually no good product removed with defects
- Defects removed with near 100% efficiency
- Lanes to suit product and application, typically 16, 32 or 64 lanes
- Patented pneumatic reject system
- Multi-way reject option for product grading
- Simple set up via touchscreen or standard PC
- Automatic alarms, production reports and network interface
- Self monitoring with easy calibration
- Stainless steel construction to food industry and 'CE' standards

Applications

- Accurate length and width dimensional screening
- Grading into between 2 and 7 separate categories by length and/or width
- Removal of contaminant, broken, misshapen, discoloured or wrong colour product
- Suitable for:
 - Nuts: almonds, peanuts
 - Confectionery: chewing gum
 - Snacks: sticks and extruded
 - Biscuits: fingers and bars
 - Vegetables: baby carrots, potato chips, gherkins, peppers etc
- Dry, fresh, wet or frozen products



KEEPING AN EYE ON YOUR PRODUCT

Autosort MC-P72 series

PRODUCT SIZE SCREENING AND REMOVAL OF LENGTH, SIZE AND COLOUR DEFECTS

The Operation

The product is laned on a special conveyor and delivered into the camera view presented for optimum inspection. The length, width, shape and the colour on the top surface is measured and compared against user pre-set parameters. The user can also set the reject station where eg short or misshapen product is removed.

The typical use will be length grading where short, medium and long can be sent to separate streams. The user can instantly change the sorting or grading parameters, and obtain far greater accuracy with independent length and width setting than would be possible using mechanical sieves or screens.

The patented processing and pneumatic rejection ensures that the selected grade of product is of the highest concentration and quality. The ungraded product, typically the main product flow, is allowed to go off the end of the grading conveyor for further processing or packing.

The Benefits

The AUTOSORT provides a very cost-effective solution to the problems of incorrect size. Natural product, such as almonds or olives can be selected for accurate length. Confectionery items will not jam downstream packing machinery in high volume manufacture. Ideal for pelleted product such as chewing gum; the MC-P72 can also remove colour defects.

The ability to remove defects improves quality and saves costs for the producer. The product value is enhanced with uniformity. Contaminant removal ensures customer satisfaction and compliance with standards.

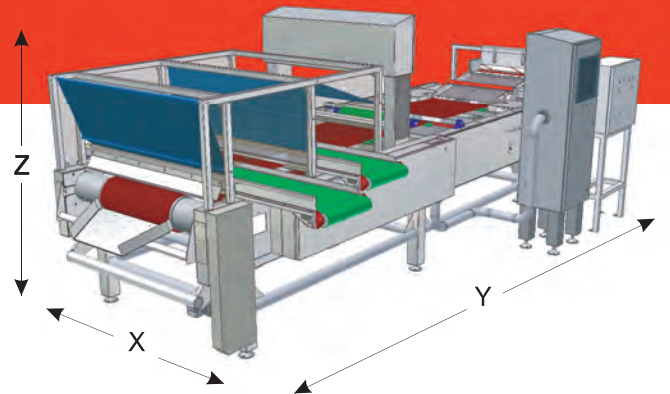
A simple and robust design combined with user-friendly software provides a system that is easy to learn to operate with minimal maintenance requirements. The speed and ease of product specification change adds to manufacturing flexibility.

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Model options

MODEL	MC-P721	MC-P722
NO. OF GRADING STATIONS	1 to 6	1 to 6
NO. OF LANES	32	64
INSPECTION WIDTH	672mm	1344mm
LANE WIDTH (typical)	20mm	20mm
NO. OF CAMERAS	1 or 2	1, 2 or 4
CAMERA CONFIGURATION	Top Viewing	Top Viewing
DIM X	1.8m	2.44m
DIM Y (configuration dependant)	4 to 10m	4 to 10m
DIM Z	2.0m	2.0m
CAPACITY (Chewing gum- 1.5g)	1000 kg/hr	2000 kg/hr



The Company

Radix Systems Limited, established in 1988, is an ISO 9001 accredited company committed to improving quality within manufacturing and process industries. All our sorting and inspection systems carry the 'CE' marking, are technologically advanced but remain simple to install, operate and maintain. Full back-up and training is available from the company and from our international agents.

Represented by: