



High Speed Rejection Systems – CRS

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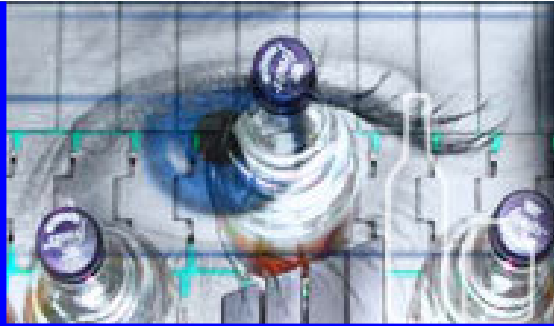
Benefits of Mapex

-  Advanced Vision Technology
-  Custom Solutions
-  Daisy Chain
-  Extensive References
-  Flexibility
-  Laser Fill Level
-  Low Cost of Ownership
-  Interpersonal Relationships
-  Modularity
-  Operational Reliability
-  Project Specific
-  Proven Technology
-  Redeployable Technology
-  Reject Handling
-  Robust Construction
-  Safety
-  Simple
-  Sorting
-  Standard Packages
-  State of the Art
-  System Approach
-  Tailored Engineered
-  Technology Integrator
-  Training
-  User Friendly



Mapex Inspection provide a range of technologies for Inspection, Sorting & Handling on packaging lines.

The **Mapex -CRS-** Rejecter provides a programmable blend of speed and finesse. Designed initially specifically for the high speed beverage canning industry this rejecter has the capability to remove a single nominated can from the production flow at the highest production speeds. More recently the **CRS** unit has been improved to take on the rejection roll in the high speed bottling environment



Standard Features

- Ⓔ PLC control
- Ⓔ Stainless construction
- Ⓔ IP65 enclosure
- Ⓔ Fast gentle action
- Ⓔ Multi-cam operation
- Ⓔ Accelerating movement
- Ⓔ Height adjustable
- Ⓔ Total speed control
- Ⓔ Several programme profiles
- Ⓔ Optimise container handling
- Ⓔ Conveyor mounted
- Ⓔ Variable speed operation
- Ⓔ < 2500 containers per min
- Ⓔ Mapex system compatible
- Ⓔ Custom Design

Optional Features

- ✓ Reject verification
- ✓ Brush - Soft Handling Parts
- ✓ Upward / Downward stroke
- ✓ Custom Cam profile
- ✓ Hold down plate

The **Mapex CRS** Rejecter operation is based upon a cam-wheel that is electrically driven and controlled by a servo motor. This ensures that the cam's push action is through the subject container's centre of gravity when called upon to reject the rogue item from the production flow to the reject collection area.

The **CRS** will handle empty or full containers. In normal operation the cam will be set to rotate down through the centre of gravity, but in the case of a very lightweight container (IE. empty beer cans) this is reversed



One of the drivers behind the development of the **CRS** and its slower counterpart the **Smart** Rejecter has been the traditional and problematic "sticktion" factor inherent in all pneumatic reject mechanisms. The "Sticktion" factor is a blend of friction and stickiness which traditionally causes all known pneumatics to need a higher break away force on the first cycle.

In such circumstances the need for a higher initial break away force manifests itself as a variation in timing and loss of control. Not being pneumatic the **CRS** Rejecter overcomes the problem of "sticktion totally".

The **CRS** Rejecter being totally electronic is not affected by variations in factory air supply, volumes, pressure, as it is not pneumatic. This is particularly beneficial, as the rejection performance does not degrade with high levels of rejects due to air starvation and the problem of "sticktion" totally,

All **Mapex** equipment is designed to operate in a filling hall environment. All equipment is custom configured to suit individual production line and container variables; it will operate in tandem with any **Mapex** Inspection System.

The **Mapex CRS** rejecter is just as efficient with bottle or can handling

The **Mapex CRS** Rejecter is designed to provide high speed rejection independent of air supply. The faster the operation the lower the level of control that can be exercised using the **CRS** Rejecter.

Note: At higher speeds handling trials are recommended, please contact **Mapex Inspection** to arrange trials on your containers.