



## PRODUCT INFORMATION



### Residual Liquid Detection RLD

The **Mapex Inspection** Residual Liquid Detector (RLD) provides constant monitoring of the single file bottle flow leading to the filler to detect the presence of any residual caustic/liquor/ lye that may have been carried over from the bottle washer.

The **RLD** system is designed with safety in mind and will as standard provide an automatic line control stop in the event of caustic being detected within a passing bottle.

Liquor detection is performed using a base mounted custom built capacitive array which is approx. 8 times more sensitive to caustic than it is to water. Thus, moisture carry over from washing can be tuned out whilst harmful caustic carry-over can be avoided.

The system's detection technique will often also, by default, identify porous debris in bottles that holds liquor, and plugged bottles.

In common with all Mapex Inspection systems the **RLD** is modular which means it can be supplied as a stand alone operational unit or as part of a inspection control network system.

In either configuration the inspection module will be custom built to suit the requirements of specific bottle formats and/or equipment configurations.

Mapex Inspection equipment is designed and manufactured in the UK. All equipments comply with the requirements of Health and Safety Directive 89/392/EEC (Machinery Directive). All our equipment will be CE marked; and a Certificate of Compliance will be supplied.

Full Documentation in accordance with normal Mapex Inspection Procedure will be provided.

**Operational Data**—Maximum Operating Speed: 1000 bottles per minute

**Service Requirements**—Electrical: 110 VAC Single Phase, 2 Amps 50/60Hz



## Mapex Inspection

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