

# RLD-230/R/RS

## Leak Tester

100 % In-Line Machine for Non-Invasive, Non-Destructive Integrity Inspection at high production speed for empty containers (such as cans, pails, drums, bottles).



## HIGHLIGHTS



- 3 configurations:
  - RLD-230 BASIC
  - RLD-230R (with Volume Reducers)
  - RLD-230RS (with Volume Reducers & SCADA System)
- Full integration in Industry 4.0 environment

## TECHNICAL FEATURES



**Container Application:** Pails, Drums, Composite Cans, 2 & 3 Pieces Cans, Jerry Cans, Bottles

**Container Dimensions:** From diameter 25 to 350 mm

**Speed:** From 60 to 1200 cpm

**Technology:** Pressure Decay Method

**Inspection Features:** Non-Invasive, Non-Destructive CCIT based on Pressure Decay Method

**Inspection Capabilities:** Microleaks detection

## ADDITIONAL PLUS



- **Statistical Process Control** reduces deviations for a better yield control
- **Automatic speed adjustment** according to signals coming from line downstream & upstream
- Automatic confirmation of proper functioning and behavior of each testing chamber (**Autotest**)
- Increase of test sensitivity in large volume & opening containers with **volume reducers**
- **Quick format change:** automatic height adjustment
- **Magnetic star** with relevant sensor checks the effective & precise can reject

## TECHNOLOGY



Container Closure Integrity Testing is a non-destructive measurement technology based on **Pressure Decay Method**.

Measurement system comprises applying a pressure differential into an **airtight testing group** enclosing the container.

The test objective is to detect container leakages by measuring the reached pressure level as well as the **pressure change** over test time.

In case of large buffer volume a **Thoroidal Pneumatic Distributor** provides the stabilization of each container pressurization phase.

## QUALITY ASSURANCE



- Equipment test method complies with approved industry standard "**ASTM F2338-09**": "Standard Test Method for Non-Destructive Detection of Leaks in Packages"
- No unhooking: star wheels safety clutch
- Full batch control testing: fast, reliable and repeatable