



RLD 220

Leak Tester

100 % In-Line Machine for Non-Invasive, Non-Destructive Integrity Inspection at high production speed for empty containers (such as Pails, Composite Cans, 3 Pieces Cans, 2 Pieces Cans, Metal Canning, Plastic Bottle, General Container).



HIGHLIGHTS



- Zero alteration of container features
- High machine adaptability & stability
- Easy management
- Low energy consumption
- Low & Ease of maintenance: free access to all moving parts
- Industry 4.0 Environment compliant

TECHNICAL FEATURES



Container Application: Pails, Composite Cans, 3 Pieces Cans, 2 Pieces Cans, Metal Canning, Plastic Bottle, General Container

Container Dimensions: From Ø 52 x 34 mm (h) to Ø 158 x 300 mm (h)

Speed: Up to 800 cpm

Technology: CCIT

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

Inspection Capabilities: Microleaks detection

ADDITIONAL BENEFITS



- Low investment cost
- Reliability guaranteed above 99 %
- Enhanced easy-to-use HMI integrated functions
- Quick format change
- HMI real time display of statistics and raw data
- Electrical Cabinet Cooling System available
- Noise levels well within allowed limits

QUALITY ASSURANCE



Equipment test method refers to:

- Approved industry standard "ASTM F2338-09": "Standard Test Method for Non-Destructive Detection of Leaks in Packages"

TECHNOLOGY



Container Closure Integrity Testing is a non-destructive measurement technology based on **Vacuum Decay Method** or **Pressure Decay Method** (in case of container with small neck) performed while the package itself is held within an hermetically sealed test chamber.

Vacuum Decay test measures the loss of vacuum inside the testing chamber as a result of headspace gas leakage from the package.

Pressure Decay 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.

The monitoring of the vacuum or pressure level allows to identify microleaks and rejecting the faulty container.

The leak testing machine measurement system is designed to identify the presence of leaks on containers due to:

- (Micro) holes
- Inappropriate sealing
- Cracks