Bonfiglioli™ Engineering

RLD 400 BS

Leak Tester

100 % In-Line Machine for Non-Invasive, Non-Destructive Integrity Inspection for filled & lidded containers.

HIGHLIGHTS

- **Zero downtime**
- **Zero alteration of container features**
- **Quality Ensured: No leaking containers due to: microholes, inappropriate sealing or cracks**
- **Safe products for the end-user & manufacturers protection from financial loss due to recalls, lawsuits and potential adverse publicity**

TECHNICAL FEATURES

Container Application: Bottles, Composite Cans, Lidded Tubes

Container Dimensions: From 100 ml to 1 Lt. bottle

Speed: From 100 to 600 cpm

Technology: CCIT

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

Inspection Capabilities: Microleaks detection

ADDITIONAL PLUS

- High machine **adaptability & stability**
- **Customizable solutions** for line interface
- **Easy bypass** and reduced downtime in case of interference thanks to **safety clutches** present in each testing chamber shaft and star wheels
- **Quick format change**: automatic height adjustment

TECHNOLOGY

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

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

QUALITY ASSURANCE

Equipment test method refers to:

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