Bonfiglioli™ Engineering

RLD 400A

Leak Tester

100 % In-Line Machine for Non-Invasive, Non-Destructive Integrity Inspection at high production speed for filled Aerosol Can.

HIGHLIGHTS

- **Alternate test to water bath**
- **Zero downtime**
- **Valve tight control**
- **Zero alteration of container features**
- **High machine adaptibility & stability**
- **Easy management**
- **Low energy consumption**
- **Low maintenance due to automatic calibration**
- **Low & Ease of maintenance: free access to all moving parts**
- **Full integration in Industry 4.0. Environment**

TECHNICAL FEATURES

Container Application: Filled Aerosol Can

Container Dimensions: From Ø 35 x 70 mm (h) to Ø 65 x 330 mm (h)

Speed: Up to 60 cpm

Technology: Vacuum

Inspection Features: Non-Invasive, Non-Destructive CCIT based on Vacuum 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**
- **Wide range of optional devices that allow the machine to be personalized based on the specific customer needs**
- **Noise levels well within allowed limits**

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"
- Specifications on Chapter 3 of "**FEA Guide on Hot Water Bath Testing and Its Alternatives**"
- Machine Measurement System follows the approved industry standard "**UN/SCETDG/24/INF.49**"