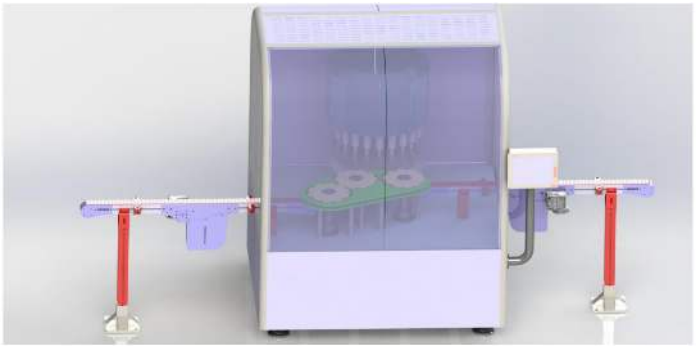
SIRIUS ROTARY LEAKAGE MACHINE



Vacuum & Pressure Decay Method

Container Closure Integrity Testing (CCIT)

Technical Features

Container Application: Vials , Bags, Blister, Flowpack, Bottles…. (Glass and Plastic)
Products: Semi-solid, Powder, Lyo, Liquid
Technology: CCIT
Inspection features: Non-Invasive, Non-Destructive CCIT based on Vacuum & Pressure Decay Method
Inspection Capabilities: Microleaks detection

Leakege machine general information

The testing machine SRLT - 36 is dedicated to performing non-destructive integrity checks on high-speed
metal / plastic packaging.
The measurement system consists in applying a pressure and checking its level for the entire duration of the
testing cycle by the appropriate transducer, any leak will be detected and the container discarded

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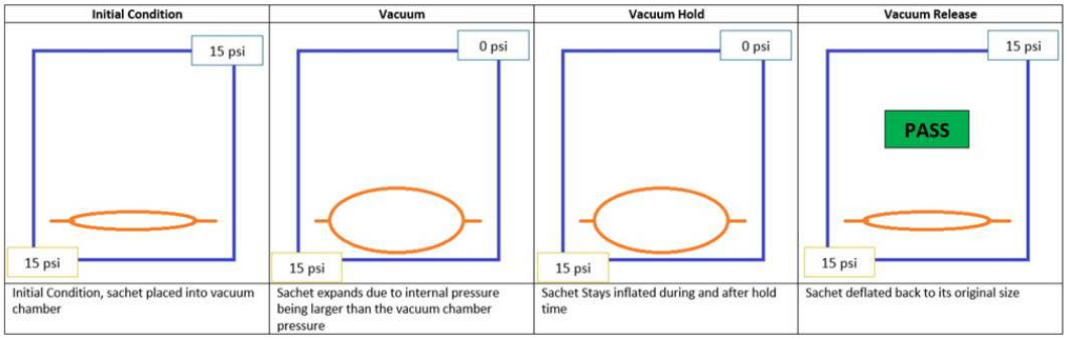
Each bell is equipped with a vacuum control detection sensor and will have a cycle as shown in the diagram
below. The cycle time can be set from the PC panel according to the products type and is about a



If the bag or the product does not expand, or only partially expands, the product will be discarded according to
the values set by the line operator.
The whole phase of product picking, control and rejection is automated.
These machines usually find applications starting from 150 pcs / min

Main Features

- Non-destructive verification method.
- Machine with 1 sensor for each testing head. Machine versions with 24 or 36 test heads.
- High sensitivity of leak detection
- Automatic loading and unloading of containers
- Speed, reliability and repeatability of test results.
- Low maintenance level
- Easy maintenance (quick accessibility to all moving parts)
- Quick format change
- Highly intuitive HMI operator interface.
- Display that shows in real time the diagram of the verification cycle in progress

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EXAMPLE OF TECHNICAL DATA FOR 36-HEADS MACHINE	
Primitive diameter	720 mm
Numbers of Test Heads	36
Heads Stroke	30 mm
Step Heads	62,80
Test pressure	0,5 bars
Detectable microhole	0,023 mm
Detectable Loss	6 cm3 a 0,5 bars
Air Supply pressure	6 Bars
Compressed Air Consumption	100 Nl al 1’
Power supply voltage	400 Volt. 50 Hz
Installed power	4 Kw

Products Examples

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