

LF-S

BenchTop Single-Head Leak Testing Machine



- The Machine is designed for Non-Destructive Integrity Testing of Containers.
- The Machine is suitable for laboratory applications, statistical purposes as well as off-line testing.
- The Measurement System comprises applying a pressure differential into an airtight Testing Group enclosing the Container (Patent No. 1225063 of 13-9-1988). The test objective is to detect Container leakages by measuring the reached pressure level as well as the pressure change over test time. The Measurement System follows the approved industry standard "ASTM F2338-09":
 - > "Standard Test Method for Non-Destructive Detection of Leaks in Packages"
 - > The Test method is a Recognised Consensus Standard by the United States Food and Drug Administration (FDA), Center for Devices and Radiological Health (CDRH), effective March 31, 2006 (Reference: Federal Register Notice FR Notice (list #014) [Docket No. 2004N-0226]

Key Objectives and Benefits

- Fully automated test cycle sequencing with Containers manual loading and unloading.
- High leak detection sensitivity.
- Fast, reliable and repeatable results.
- Non-invasive and Non-destructive Test Method.
- Compact and robust design.
- Enhanced easy-to-use HMI integrated functions.
- System autodiagnosics available.
- Maintenance-free.
- Easy to clean & no hidden corners.
- Cost-effective solution.
- Quick change over.
- Low power consumption.
- HMI Real Time display of Testing Cycle diagram.
- Validation Package guarantees complete and efficient regulatory compliance.

Technical Specifications

Tested Container	Bottles, Doy Pack, Induction Sealed , Ready Meals , Food Cans, General Line .
Container Filling	Closed, Empty, Filled.
Container Content	Lyophilised, Liquid, Powder, Semi-solid, Solid.
Machine Type	Laboratory Leak Tester.
Testing Methods	Vacuum Decay, Pressure Decay.
Max speed	Cpm
Min Container Dimension	8 x 8 x 5 (LxWxH)
Max Container Dimension	250 x 250 x 300 (LxWxH)
Testing Heads Number	1