

# LF-SMH

## Lab Scale Multi-Head Leak Testing Machine



- 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":
  - > 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.
- Storage, maintenance, and download of historical data (production, raw data, events, alarms).
- HMI Real Time display of Testing Cycle diagram.
- Computerised system is designed to comply with FDA 21 CFR Part 11 and EU Annex 11.
- Validation Package guarantees complete and efficient regulatory compliance.

### Technical Specifications

Tested Container	Doy Pack, Ready Meals , Stick Packs .
Container Filling	Closed, Empty, Filled.
Container Content	Liquid, Powder, Semi-solid.
Machine Type	Laboratory Leak Tester.
Testing Methods	
Max speed	Cpm
Min Container Dimension	5 x 30 x 5 (LxWxH)
Max Container Dimension	86 x 86 x 180 (LxWxH)
Testing Heads Number	