

SEPHA PAKSCAN

Non-destructive multi-product leak testing for pouches, sachets, small medical devices and other flexible packs (non-porous materials) which contain dry powder or a solid component.



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A touch screen user interface monitors the pakscan progress through a virtual instrument panel.

Using force decay technology, PakScan offers a clean and dry leak detection solution for modern manufacturers and packaging companies that pack dry product in pouches, sachets and other non-porous flexible packaging. The system can detect leaks as small as 10µm in up to four packs simultaneously and provides an objective pass/fail result. Data can be stored and exported for audit purposes.



Features & Benefits

- Non-destructive seal integrity and leak detection device that uses force decay technology to detect weak seals and holes down to 10µm
- Can test up to 4 packs simultaneously as standard (5 & 6 pack options also available)
- Capable of handling dry, non-porous packages up to 275mm x 90mm x 50mm
- Easy operator use via touch screen interface and easy load chamber
- Capable of storing multiple test methods for up to 30,000 product types
- User defined password protection ensuring multiple operator use
- Easily validated system
- Repeatable test with objective pass/fail results
- Test results can be printed, exported via USB (x2) or integrated into local quality control system via Ethernet cable
- Audit data available and fully 21CFR part 11 compliant
- Active Directory included and OPC Connectivity is available on request

Machine Operation

Sample packs are loaded into a custom designed product nest and the test chamber lid is closed. There are then 4 key test phases:

1. Evacuation Phase:

A pre-determined level of vacuum is applied to generate an expansive force which is monitored throughout the test cycle.

2. Stabilisation Phase:

Following evacuation of the vacuum, a stabilisation phase allows the conditions to normalise.

3. Decay Test Phase:

The decay test phase measures any reduction in head space pressure. If the expansive force decays by more than a set amount the pack will be classed as a failure.

4. Gross Hole Identification Phase:

At the end of the decay phase, if the reactive force is less than the pre-determined level in the test method, a pack will be classed as a gross leak failure.

Technical Specification

PACK TYPE:	Sachets, pouches, bags, MAPs (non-flexible, non-porous materials)	
TEST AREA:	275x 90 x 50mm (10.8 x 3.5 x 2.0") Per pack	
OPERATION:	Semi-automatic	
CONSTRUCTION:	Stainless Steel (Grade 304)	
USER INTERFACE:	12.1" 800 x 600 TFT LCD display with Resistive Touch Screen	
UTILITIES:	Electrical:	110/230V AC Single Phase
	Air:	6 Bar
CONFIGURATION:	2 x USB ports	1 x Ethernet port
TEST CYCLE:	From 20 seconds	
TOOLING CHANGEOVER:	Approx. 3 minutes	
AUDIT COMPLIANCE:	Can be run in compliance with 21CFR Part 11	
MACHINE DIMENSIONS:	760(W) x 950(D) x 1740(H) mm	(30 x 37.4 x 68.5")
MACHINE WEIGHT:	200kg (441lbs) / Shipping weight: 300kg (661lbs)	
WARRANTY:	Supplied with a 12 month warranty. (Service Level Agreements and/or extended warranties are available for additional support).	



TASITEST

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