

# SEPHA

## VISIONSCAN

Container Application:  
Blister Packs



# SEPHA VISIONSCAN

VisionScan is a tool-less, non-destructive leak detection device for pharmaceutical blister packs. This deterministic test method provides an accurate and objective assessment of blister packaging integrity.



VisionScan is simple to operate and requires no tooling, making it ideal for high volume pharmaceutical manufacturers and packagers where high levels of quality control, cost reduction and multiple product changes are required. It uses camera and projection technologies, combined with differential pressure to detect weak seals or leaks in blister packs. VisionScan generates accurate, reliable and repeatable results with clear pass or fail information.

Since its launch, Sepha VisionScan has received widespread industry acceptance for non-destructive and deterministic testing of blister packs. After further development, the new, compact and lightweight model incorporates a GMP compliant and FDA approved polymer construction with an easy to use touchscreen interface. This, alongside an improved test time, allows more efficient testing with the same high level of accuracy and objectivity expected from Sepha's non-destructive testing technology.



## Features & Benefits

- Non-destructive seal and leak detection device designed for blister packs
- Incorporates imaging technology that will detect defects in individual blister pockets, channel leaks and weak seals equivalent to a 7µm\* laser drilled pin hole.
- Tool-less. Ideal for production lines running multiple products
- Can test multiple packs per test cycle
- Connectivity, has the ability to connect to an OPC server or database
- Active Directory and flexible reporting built-in
- Rapid test time down to 10 seconds for micron holes and as low as 6 seconds for gross holes
- Operating system can store unlimited product types
- Simple operator use via a touch screen interface
- Can test packs that contain tablets/capsules in multiple material/design formats
- Objective, repeatable pack test for each product
- Capable of storing and exporting data for audit and quality control purposes
- Can form part of 21CFR part 11 compliant system
- Compact and lightweight, mobile table top device with improved environmental impact



\* Pack and material dependent

Using the latest camera imaging technology, it offers modern pharmaceutical manufacturers a flexible, reliable, objective and cost saving alternative to destructive blister pack test methods such as blue dye.

## Machine Operation

Test methods are developed for each pack format and are stored as 'recipes' for that pack type.

### 1. Load packs and select product.

- Login
- Select Product
- Select or enter batch details,
- Load packs,
- Close drawer
- Press start.

### 2. Reference image and vacuum Phase image.

VisionScan then takes an image of the packs, pulls a vacuum, takes a second image and compares the two. If required, small holes can then be detected by waiting for a set dwell time, releasing some of the vacuum and capturing another image. All of the images are then compared and analysed for pocket movement using product specific parameters.

### 3. Pass or fail screen

The results screen shows a pass or fail result for each individual pocket. If movement is identified, a simple 'green' for pass will be displayed on the pocket, indicating that there are no defects present. If no movement is identified, the pocket is defective and a 'red' fail result will be shown on that defective pocket. VisionScan is capable of detecting defects down to 7µm.\* a new level of problem-solving ability as well as an ever increasing range of custom projects and existing standard solutions.

## Technical Specification

<b>PACK TYPE:</b>	Blister pack
<b>TEST AREA:</b>	210mm x 165mm
<b>OPERATION:</b>	Semi-automatic
<b>CONSTRUCTION:</b>	Anodised Aluminium and ABS/Acrylic top Cover
<b>USER INTERFACE:</b>	12" WXGA TFT display, 1280 x 800 pixels with resistive touch screen
<b>UTILITIES:</b>	— Electrical 24v DC 4A — Compressed Air: 6 Bar
<b>CONFIGURATION:</b>	— 2 x USB ports — 1 x Ethernet port
<b>TEST CYCLE:</b>	From 6 seconds
<b>TOOLING CHANGEOVER:</b>	N/A
<b>AUDIT COMPLIANCE:</b>	Can be run in compliance with 21CFR Part 11
<b>MACHINE DIMENSIONS:</b>	Width: 455mm (17.9") Depth: 440mm (17.3") Height: 520mm (20.47")
<b>WEIGHT:</b>	Machine: 40kg (88lbs) Shipping Weight: 80kg (176lbs)
<b>WARRANTY:</b>	Supplied with a 12 month warranty. (Service Level Agreements and/or extended warranties are available for additional support.



# TASITEST

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