



BLISTER PACKAGE INSPECTION

The most sensitive
The most reliable
The most practical



OptiPac

One-touch Tool-less Blister Package Leak Testing

OptiPac reduces total cost of asset management based on practicality for the operator, sensitivity and reliability.

The OptiPac Leak Detection System is a deterministic non-destructive technology designed specifically for multi-cavity blister packs. OptiPac utilizes volumetric imaging under vacuum with topographic imaging to detect the presence and location of leaks.

The OptiPac is engineered and designed with One-Touch Technology to achieve a rapid test cycle requiring no changeover or sample preparation. Operators simply place the blister package on the test plate and press the START button. Within seconds, the operator sees a definitive pass/fail result, and a visual identification of blister cavity defects. OptiPac technology is unique in that it can provide rapid detection of sub-5-micron defects depending on blister cavity volume. OptiPac requires no tools for different blister formats.

OptiPac's insightful technology offers a suite of advanced functions:

- Auto configuration for easy recipe setup and validation of new blister formats
- Auto orientation of blister packs (test blister packs in any position - no specific orientation)
- Auto calibration is an integrated one-touch function
- Advanced batch reporting with audit trail including image of blister pack and defect results

OptiPac Benefits

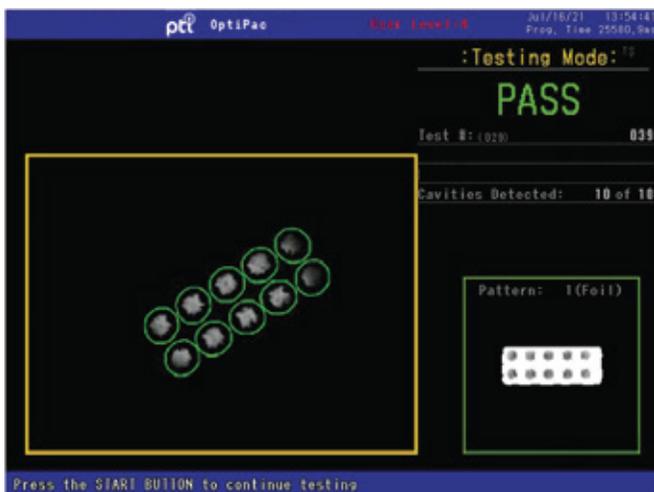
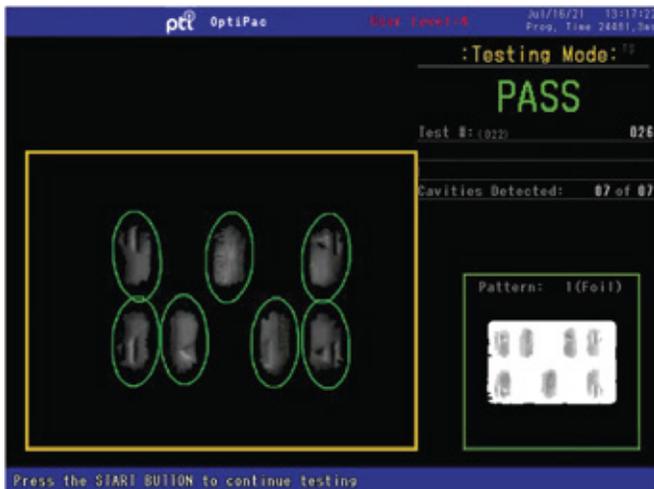
- Non-destructive technology - Pass/Fail results backed by quantitative test data
- Completely tool-less
- No changeover to test different blister formats
- Identifies defective cavity
- Pre-loaded recipe library with easy recipe setup and validation of new blister formats

OptiPac Technology

The OptiPac Blister Package Inspection System is specially designed for practical operation, sensitivity and reliability. OptiPac utilizes volumetric imaging technology: a deep algorithm with multi-imaging under vacuum. The operator selects a recipe for the blister package using the HMI touch screen and places the blister pack on the test plate in any orientation. After pressing the start button, vacuum is pulled to a defined vacuum. The blisters expand under vacuum, driving air out of the blister through any leaks present. If there is a leak in the blister, the air escapes into the chamber leaving a collapsed blister cavity. During the dynamic vacuum test sequence, a volumetric image and measurement reading is taken that determines which blister cavities are defective. A definitive pass/fail result is displayed as well as the quantitative measurement for each package tested.



OptiPac Test Results



SPECIFICATIONS

	OptiPac
Application	Non-destructive leak detection of blister packs (ranging from 1 cavity up to multi-cavity blister packs)
Package Type/Materials	<ul style="list-style-type: none"> • Blister packs/foil, paper, aluminum • Cold form and thermo formed blister packs
Technology	Volumetric imaging under vacuum
Operator Interface	Integrated Windows 10 Computer - 15.6" Wide Touch Screen HMI <ul style="list-style-type: none"> • Option to connect external keyboard and mouse
Test Result Data	Pass/Fail result on touch screen and measurement reading
Data Collection	<ul style="list-style-type: none"> • View on HMI screen • PTI-ETHOS CFR 21 Part 11 Software <ul style="list-style-type: none"> - Windows 10 Active Directory Management or local using SQL Server • USB stick for easy data transfer
Test Sensitivity*	• <5 Microns
Test Chamber	Integrated test chamber
Test Instrument Enclosure	Stainless steel compact frame houses PLC controller, operator touch screen display and internal vacuum generator
Dimensions/Weight	17.3"W X 19" D X 53.2" H 80 lbs.
Power	100-240 VAC, 50/60 Hz, 2.0A
Air Supply	90 psi
Options	Validation Qualification Package (IQ/OQ)

*Test results may vary according to application and package specifications.