



LEAK DETECTION and Inspection Machines

Experience and Innovation since 1971



WILCOMAT[®] 07 MC/FS **Leak Detection for Blisters and Bags**

WILCOMAT[®] 07 MC/FS for reliable leak tests on blister and bag packages.

By means of the patented force measuring system the differential force of blister cavities or bags are measured in a vacuum chamber. This method safely identifies gross or fine leaks.

During the testing process, the test parameters and the test results are displayed on the color touch screen display.

Key Benefits

- Highest measuring precision and reproducible test results
- Excellent test sensitivity to detect fine leaks as small as 1 µm
- Short cycle time (5-6 test cycles/min)
- Automatic self test function in order to verify the measuring system
- Automatic loading of the parameter set by using RFID format part recognition

Additional important Features

- Fast changeover, short retooling time
- Ease of operation
- Compact design with easy cleanability
- User friendly and clearly arranged TFT color display with touch screen panel
- Data transmission to OPC-server via LAN interface
- USB connection (data export, printer)
- Complete validation documentation available



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Test chamber with the format part to test blister packages

Measurement Options

Leak detection for blister and bag packages

Mode of Operation

The blister or bag packages are hermetically sealed inside the test chamber and are then evacuated.

A force sensor measures the expansion force of the blister cavity or the bag. If a predefined minimum force cannot be reached, the object is identified as leaky (gross leak) and the test will be aborted.

To perform the fine leak test the expansion force of the object is measured with the patented force measuring system and by analyzing the curve shape of the force a fine leak can be identified.

The preset test parameters and the test results are displayed on the color touch screen display.

Further Applications / Technologies of WILCO Systems

Application

Headspace analysis

Particle detection

Residual moisture measurement at lyo products

Product specific leak detection

Propellant gas detection

Technology

Laser absorption spectroscopy (HSA)

Low energy X-Ray technology (X-RAY)

Near infrared technology (NIR)

Mass spectrometry (MS)

Infrared laser system (AE/GD1)

Wilco AG is an innovative and reliable partner with more than 40 years of experience in quality assurance technologies and provides a worldwide support and distribution network.

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