

# AGILEAK

## LEAKAGE AND INTEGRITY TESTER FOR PACKAGING



**WELD RESISTANCE,  
BUBBLE TEST,  
METHYLENE BLUE TEST**



# LEAKAGE AND INTEGRITY TESTER FOR PACKAGING AGILEAK



## FUNCTION

**Detection of industrial packaging leaks by vacuum.**

The AgiLeak is a new generation device with a transparent Plexiglas housing connected to a touch screen control box.

It tests the resistance of welds by vacuum and allows the localized detection of leaks in many types of packaging (flexible, semi-rigid and rigid).

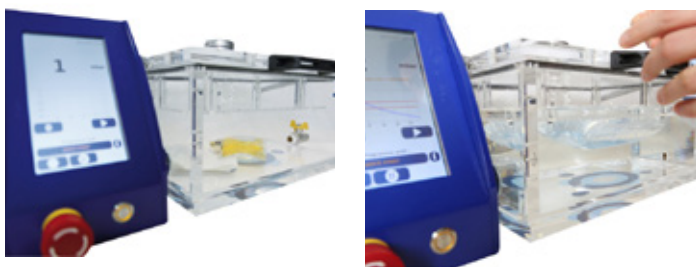
Indeed, this ultra-fast test appears to be essential in various sectors of activity such as cosmetics, pharmaceuticals (to ensure product sterility), food processing (food safety), aeronautics (to ensure the sealing of electronic products).

14 boxes sizes  
100 %  
TRANSPARENT

Data Integrity,  
traceability and  
communication



programs  
and unlimited  
products  
(test models,  
standards)

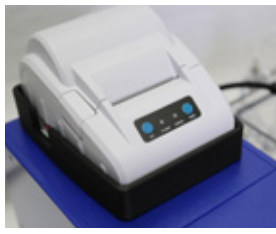


## STANDARD PACKAGING:

- Flexible, semi-rigid and rigid packaging



Intuitive and  
ergonomic menu  
for a quick start



## BENEFITS:

- Designed for many types of tests (bubble test, altitude, explosion, ASTM or ISO standards)
- Ultra resistant 100% transparent boxes
- 11 sizes available (boxes and cabinets)
- Numerous arrangements allowing time saving and ergonomics for users
- Traceability and validation of test conformity; Management of batch numbers; User identification with access limits
- Data integrity: advanced result analysis/export (USB, TCPIP)
- Simultaneous depression graph of the test
- Detachable control box for easy service or remote for hostile or crowded environments

## FEATURES:

- Touch screen with intuitive interface (designed to be taken in hand in less than 5 minutes without instructions)
- Conforms to ASTM and ISO standards
- QC/QI/QO/QP/QM available
- Self-diagnosis capability (sensor drift,...)
- Pressure sensor accurate to 1 mbar



## EXTENSIVE TESTING POSSIBILITIES



### LEAK TEST

Leak testing of your rigid packaging (e.g. perfume bottles) or by Bubble Test for packaging containing air, by the Quickstart function (programmed vacuum and time).



### RESISTANCE TEST

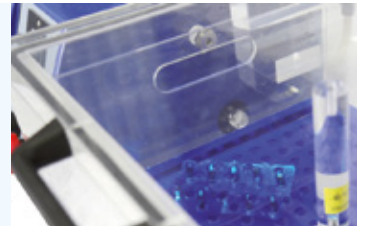
Proof your packaging with the Cycle function to test the integrity of your packaging.



### TESTED ACCORDING TO ISO & ASTM STANDARDS

Follow step by step the protocol of the standards, whose models are integrated in the equipment (ex: methylene blue test, altitude test, integrity test, bubble test, etc.)

- ASTM 3078, ASTM 4991, ASTM 6653, IATA



### EXPLOSION TEST

Automatically detect the explosion threshold or the rupture of your flexible packaging.



### ADVANCED TEST

Cycle repetition, flight simulation, complex programs with descent control speed in depression...



### CUSTOMIZED TEST

The Agileak can integrate a program developed specifically for the customer (e.g.: internal test protocol of a manufacturer deployable on all production sites by source file on USB key).

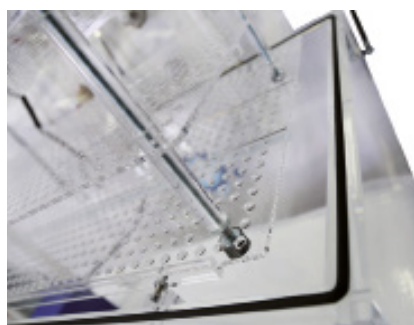
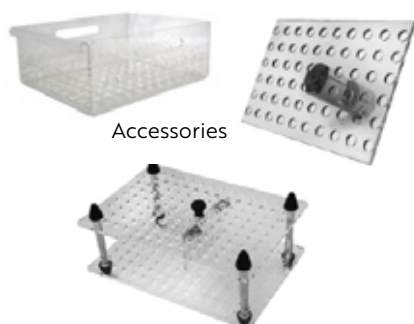
	Autonomous (with vacuum pump)	Immersion: bubble blue test	Dry test	Standards	Energy	Maximal depression
<b>AGILEAK</b>		<b>X</b>	<b>X</b>	ASTM 3078 ASTM 4991	Compressed air	- 850 mBar
<b>AGILEAK-P</b>	<b>X</b>	<b>X</b>	<b>X</b>	ASTM 3078 ASTM 4991 IATA	Vacuum pump external	- 950 mBar (or more)

Useful dimensions of the box* (mm)	Name of the model	Box	Cabinet	Immersion model	Cart on request	Raise-lowering assistance cylinder
<b>W300xD300xH400</b>	A1		<b>X</b>		<b>X</b>	
<b>W400xD400xH400</b>	A2		<b>X</b>		<b>X</b>	
<b>W500xD450xH500</b>	A3		<b>X</b>		<b>X</b>	
<b>W250xD200xH150</b>	C1	<b>X</b>		<b>X</b>		
<b>W350xD250xH80</b>	C2	<b>X</b>				
<b>W350xD250xH150</b>	C3	<b>X</b>		<b>X</b>		
<b>W350xD250xH250</b>	C4	<b>X</b>		<b>X</b>		<b>X</b>
<b>W450xD350xH100</b>	C5	<b>X</b>			<b>X</b>	<b>X</b>
<b>W450xD350xH150</b>	C6	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>
<b>W450xD350xH200</b>	C7	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>
<b>W450xD350xH300</b>	C8	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>
<b>W500xD400xH100</b>	C9	<b>X</b>			<b>X</b>	<b>X</b>
<b>W500xD400xH200</b>	C10	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>
<b>W500xD400xH300</b>	C11	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>

\*Custom sizes possible up to 0.8 m<sup>3</sup>

## EXAMPLE OF A LAYOUT FOR IMMERSION:

Presser / Tank / Partitioning / Lifting cylinder with baskets / Triple stage



Triple deck  
basket  
with suspension  
on cleat out of  
water after test



Drawer  
arrangement on  
pneumatic

## SPECIFIC APPLICATION:



Complete system housing + pump/debris meter for treatment of an air leak



Basket on pneumatic cylinder for non destructive immersion test

	Venturi version	Pump version
Vacuum system	Venturi (compressed air)	Vacuum pump
Crankcase size	L160 X P350 X H240 mm	
Power supply	110Vdc → 230 Vdc, 50hz/60hz	
Compressed air supply	8 Bars	-
Maximum depression	-800 mbar	-950 mbar
Display	7" capacitive touch	
Accuracy	1 mbar	
Max. sampling frequency	1500 hz	
Air filter	5 µm	
IP Classification	IP54	
Operating temperature	Between 0° and 40°C	
Noise level	< 75 dB	< 60 dB
Power consumption	<0,1kW	Puump 2V : 0,35 kW Puump 5VH : 0,35 kW Puump 12VH : 0,6 kW Puump EVISA25 : 0,75 kW
Compressed air consumption	GV15 : 100NL/min GV25 : 400NL/min	-
Connection to the compressed air network	ISO B6 Male and Quick Connect Ø8mm exterior	-
System connexion	1 x USB / 1 x ETHERNET	
Communication	Printer, RS232, TCP-IP, Exports CSV, XML, USB, open communication protocol	
Image resolution	20 hz	
Data collection	unlimited	
Number of programs	unlimited	
Number of tests	unlimited	
Test duration	unlimited	
Traceability and Data Integrity	User rights Automatic data backup Data security Connectivity with SPC and ERP software Audit trail	
Warranty	2 years	
Certification	CE	

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## ACRN A GLOBAL OFFER *for your packaging quality controls*



### Calibration and annual maintenance

ACRN is equipped with a metrology laboratory.

### Setting up tests, choice of materials, state of the art, work on repeatability

we can advise you according to your needs (tecnology, budget, ergonomics).

### Leak testing and dynamometric testing

Our skills and equipment for leak testing and dynamometric testing for packaging

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*Major manufacturers have trusted us for many years*

L'ORÉAL  
PARIS

