

COMPRESSPACK

WELDING TESTER FOR DOYPACK, SACHET AND POUCH



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FUNCTION

The compresspack is used to check the weld strength of plastic or metal packaging such as doypacks, doypack refills, pouches, bags and tubes directly on the production line or in the laboratory.

It can be used in addition to the ATS tube seal tester.

Why test your weld? During the heat sealing process, defects in the weld can appear due to the temperature of the electrodes and the presence of impurities. The implementation of a crush test allows to check the integrity of the weld of your sample, and thus the absence of leakage or microleakage. This test is essential to validate the good welding of your sample.



FEATURES :

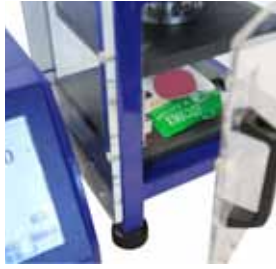
- Touch screen with intuitive interface (designed to be taken in hand in less than 5 minutes without instructions)
- Conforms to ASTM and ISO standards
- QC/QI/QO/QP/QM available
- Self-diagnosis capability (sensor drift,...)
- Pressure sensor accurate to 1 N.

TYPES OF PACKAGING:

- Packaging such as Doypack, bag, pouch



Intuitive and ergonomic menu for a quick start

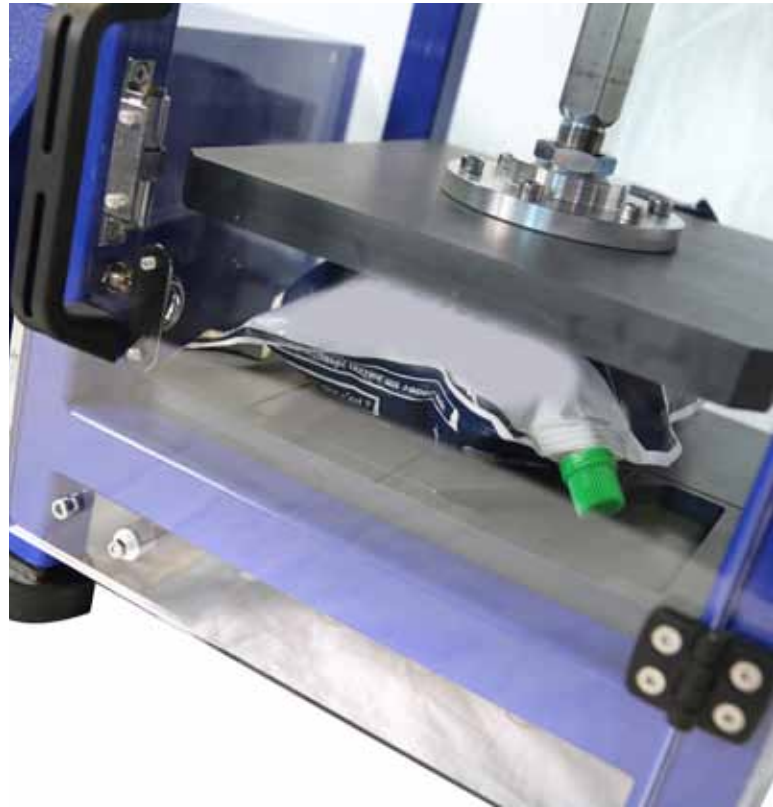


ACRN, which has 20 years of experience in the field, will be able to guide you for these adjustments and recommend loads to be applied according to the type of packaging of your samples. ACRN will also provide you with a table of the force exerted according to the pressure of the compressed air supply.

This is a quick, simple and totally repeatable test deployed by many packaging manufacturers.

BENEFITS :

- Simple, robust, fast, reliable and fully repeatable test
- Designed for many types of tests (Fatigue test, Stress test, Burst test, Leak test, etc.)
- Adapted to production environments thanks to innovative and intuitive design
- Improved cleanability thanks to its multi-opening door or the use of a practical retention tray for development tests
- Quickly interchangeable pressers according to the type of packaging (Photo in option)
- Wide range of capacities from 10 kg to 3,300 kg in pressure force depending on the pneumatic cylinder
- Very easy to use digital touch interface
- Data integrity: advanced result analysis/export (USB, TCP/IP)
- Traceability and validation of test conformity; Management of batch numbers; User identification with access limits
- Precise location of the leak
- No maintenance
- Specific housing on request for a precise adjustment of the positioning of your samples ensuring a very good repeatability of your measurements
- Detachable control box for easy service or removable for hostile or crowded environments



EXTENSIVE TESTING POSSIBILITIES



RESISTANCE TEST

Perform a test on your packaging by the Cycle function to test the integrity of your packaging.



CYCLIC TEST

Carry out a stress test with raising and lowering of the pneumatic cylinder.



MANUAL TEST/INTERNAL PRESSURE

Conduct a step-by-step test to facilitate internal measurement for a reliable and accurate test.



BURST TEST

Carry out a test with detection of the bursting threshold.



CUSTOMIZED TEST

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



STAIRCASE TEST

Carry out a development/qualification test to determine the compliance values of a product.

OPTIONS

Specific pressers
Specific support plate
Manual compressor for stand-alone testing



COMPRESSPACK	Made of PVC on rigid metal frame, unbreakable transparent polycarbonate door, painted mild steel support frame
Vacuum system	Venturi version Customer's compressed air network
Housing size	L160 X D350 X H240 mm
Frame size with cylinder	W346*D451**H692 mm
Useful test dimensions	W270 *D340 mm
Power supply	110Vdc 230 Vdc, 50hz/60hz
Compressed air supply	Between 0 to 8 Bars
Screen	7" capacitive touch
Accuracy	1 Newton
Max. sampling frequency	1500 hz
Air filter	5 µm
IP Classification	IP54
Operating temperature	Between 0° to 40°C
Noise level	< 25 dB
Power consumption	<0,1kW
Compressed air consumption	GV15 : 100NL/min GV25 : 400NL/min
Connection to the compressed air network	ISO B6 Male and Ø8mm external quick coupling
System connection	1 x USB / 1 x ETHERNET
Communication	Printer, RS232, TCP-IP, Exports CSV, XML USB key, 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

TECHNICAL SPECIFICATIONS ACCORDING TO THE SUPPORT FORCE :

	Model D	Model D1	Model D2	Model D3	Model D4	Model D5
Force min (daN) <i>Min. pressure (bar)</i>	6 0,2	10 0,2	25 0,2	50 0,2	62,5 0,2	75 0,2
Force max (daN) <i>Max. pressure (bar)</i>	250 8	400 8	1 000 8	2 000 8	2 500 8	3 000 8
External dimensions (mm) (W*D*H)	546*398*648	546*398*692	546*398*727	546*398*710	546*398*710	546*398*710
Useful interior dimensions of the chassis (W*D*H)	256*318*177	256*318*153	256*318*120	256*318*110	256*318*104	256*318*104
Useful interior dimensions frame with tray (W*D*H)	243*311*172	243*311*148	243*311*115	243*311*105	243*311*99	243*311*99
Weight (kg)	25	35	50	80	85	90

DELIVERED WITH :

- A connected calibration certificate LNE / COFRAC

ACRN UNE OFFRE GLOBALE *pour vos contrôles qualité packaging*



L'étalonnage et la maintenance annuelle

sur site ou en laboratoire sont proposés. ACRN dispose d'un laboratoire de métrologie.

Mise en place de tests, choix de matériels, état de l'art, travaux sur la répétabilité

nous pouvons vous conseiller selon vos besoins (technologie, budget, ergonomie).

Test d'étanchéité et de dynamométrie

nous mettons à votre disposition nos compétences et nos équipements de test d'étanchéité et de dynamométrie pour le packaging

Major manufacturers have trusted us for many years

