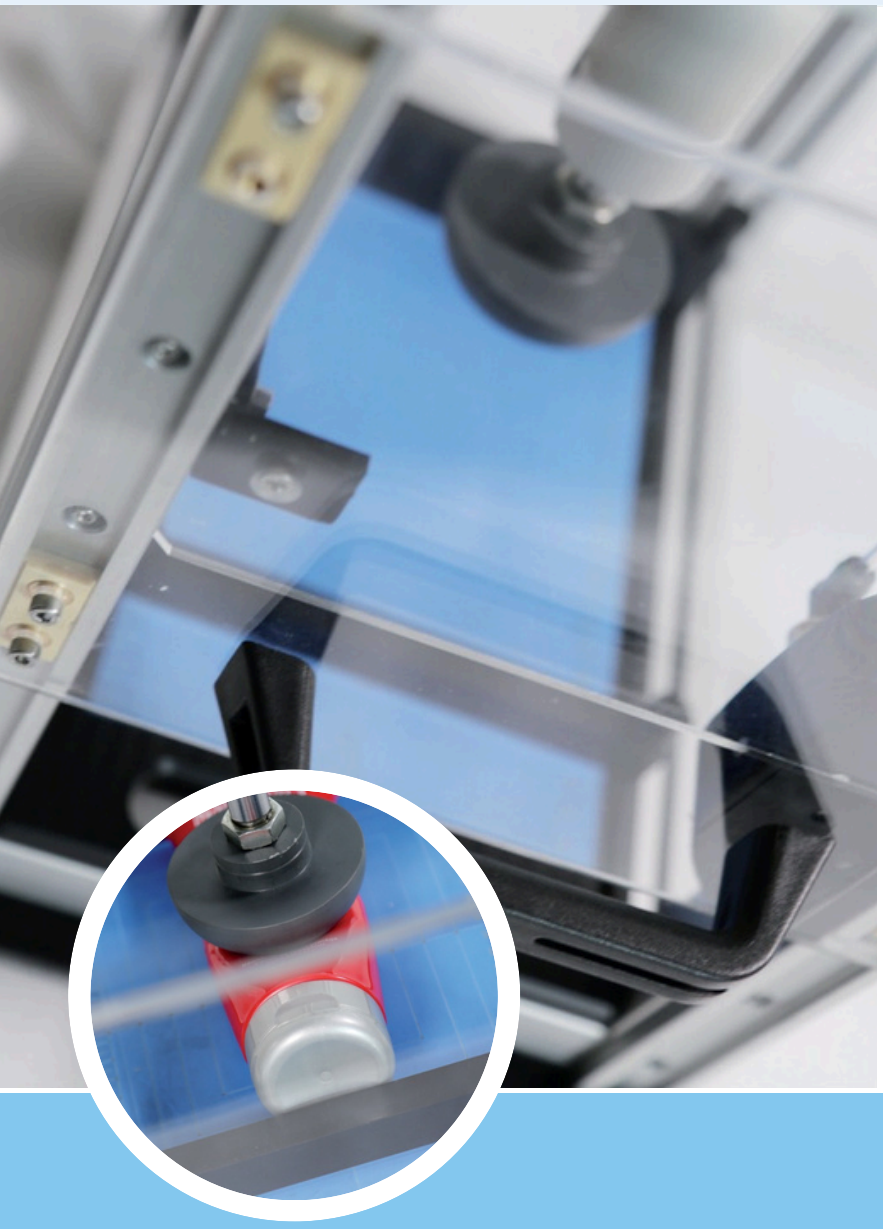
ACRN
Quality Control Machine
Industry & Packaging

POUCHTUBE TESTER

WELDING TESTER FOR TUBES, SACHETS AND POUCHES



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CFR 21 functionality (Audit Trail)

FUNCTION

The PouchTube Tester allows you to check the sealing restistance of tubes, pouches and other flexible packaging directly on the production line or in laboratory. It can be used to replace ATS tube weld testers.

Why test your sealing resistance? When heat-sealing, defects in the weld may occur due to electrode temperatures and the presence of impurities. By carrying out a crush test, you can verify the integrity of your sample's weld, and thus the absence of leaks or micro-leaks. This test is essential to validate the sealing resistance integrity of your sample.

FEATURES :

- Touchscreen with intuitive interface (designed to get you up and running in less than 5 minutes without manuals)
- Complies with ASTM and ISO standards
- QC/QI/QO/QP/QM available
- Self-diagnostic capability (sensor drift, etc.)
- Pressure sensor accurate to 1 N.

STANDARD PACKAGING :

- Tube-type packaging, refill bags, small pouches

Perfect cleanability thanks to its stepped, modular IP54 design

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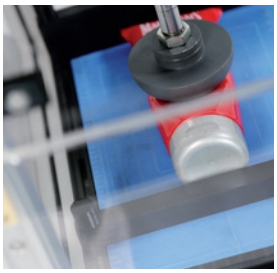

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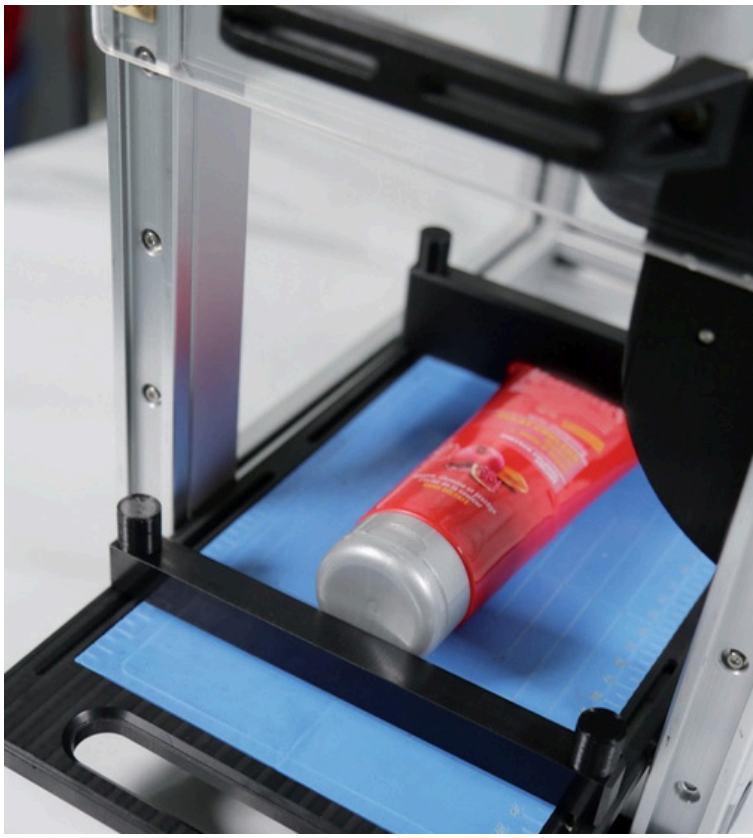
With 20 years' experience in the field, ACRN can guide you through these settings and recommend loads to be applied according to the type of sample packaging. ACRN will also provide you with a table of the force exerted according to the compressed air pressure supplied.

It's a fast, simple and totally repeatable test, deployed by many packaging manufacturers.

BENEFITS :

- Simple, fully, robust, fast, reliable and repeatable
- Designed for many types of test (fatigue test, stress test, burst test, leak test, etc.).
- Adapted to production environments thanks to innovative, intuitive design
- Perfect cleanability thanks to its stepped, modular design. IP54 PROTECTION
- Quick-change pressers for different types of packaging
- Interior fittings for precise adjustment of sample positioning to ensure excellent repeatability of your measurements (housing, stop, etc.)
- Capacity up to 1900 N (at 6 bar feed) in pressure force (2500N at 8 bar feed)
- Easy-to-use digital interface
- Data integrity: advanced result analysis/export (USB, TCPIP)
- Connectivity and results export (IP, RS232, etc.). Compatible with SPC systems (Freeweigh, SAP, ...)
- Traceability and validation of test compliance
- Batch number management
- User identification with access limit
- Maintenance-free



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A WIDE RANGE OF TESTING OPTIONS

RESISTANCE TEST
Cycle your packaging to test its integrity.

CYCLIC TEST
Perform a force test with the pneumatic cylinder raised and lowered.

MANUAL TEST/INTERNAL PRESSURE
Perform a step-by-step test to facilitate internal measurement for a reliable and accurate test.

CUSTOMIZED TESTING
The PoucheTube Tester can integrate a program developed specifically for the customer (e.g.: a manufactu- rer's internal test protocol that can be deployed at all production sites via a source file on a USB key).

STAIRCASE TEST
Carry out a development/qualification test to determine a product's compliance values.

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OPTIONS

Pressers for all types of packaging
CFR 21 functionality (Audit Trail,...)
Customized fittings
Printer

PouchTube Tester	PouchTube Tester L75	PouchTube Tester L190
Design	Made of PVC on a rigid metal frame, unbreakable transparent polycarbonate door, painted mild steel support frame	Made of PVC on a rigid metal frame, unbreakable transparent polycarbonate door, painted mild steel support frame
Power	Compressed air network 0 to 6 bar	Compressed air network 0 to 6 bar
Dimensions	L240xD440xH650 mm	L240xD440xH650 mm
Maximum sample size	W180xL300xH80 mm	W180xL300xH75 mm
Weight	15 kg	15,3 kg
Power supply	110Vdc 230 Vdc, 50hz/60hz	110Vdc 230 Vdc, 50hz/60hz
Compressed air supply	From 0 to 6 Bars possible up to 8 Bars	From 0 to 6 Bars possible up to 8 Bars
Capacity Max	750 N at 6 bar, 1000 N at 8 bar	1900 N at 6 bar, 2500 N at 8 bar
Screen	7" capacitive touchscreen	7" capacitive touchscreen
Max. sampling frequency	1500 hz	1500 hz
Air filter	5 µm	5 µm
IP classification	IP54	IP54
Operating temperature	Between 0° and 40°C	Between 0° and 40°C
Noise level	< 25 dB	< 25 dB
Power consumption	<0,1kW	<0,1kW
Connection to compressed air network	ISO B6 Male and Ø8mm external quick coupling	ISO B6 Male and Ø8mm external quick coupling
Design	1 x USB / 1 x ETHERNET	1 x USB / 1 x ETHERNET
System connection	Printer, RS232, TCP-IP, Exports CSV, XML USB key, WIFI open communication protocol	Printer, RS232, TCP-IP, Exports CSV, XML USB key, WIFI open communication protocol
Collecting data	Unlimited	Unlimited
Number of programs	Unlimited	Unlimited
Number of tests	Unlimited	Unlimited
Test duration	Unlimited	Unlimited
Traceability and Data Integrity	User rights Automatic data back-up Data tamper-proof Connectivity with SPC and ERP software Audit Trail	User rights Automatic data back-up Data tamper-proof Connectivity with SPC and ERP software Audit Trail
Warranty	2 years	2 years
Certification	CE	CE

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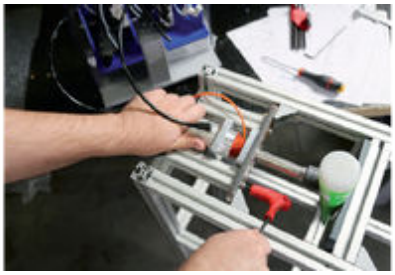
DELIVERED WITH :

- LNE / COFRAC-certified calibration certificate
- Standard tube press
- Interior fittings with adjustable stop

ACRN A GLOBAL OFFER
for packaging quality control



Calibration and annual maintenance
on site or in the laboratory. ACRN has its own metrology laboratory.

Test set-up, choice of materials, state of the art, work on repeatability
we can advise you according to your needs (technology, budget, ergonomics).

Leak and torque testing

weofferyouourexpertiseandour leak-testing and dynamometerequipment
and dynamometry equipment for packaging

Major manufacturers have been placing their trust in us for many years

L'ORÉAL PARIS · SANOFI · DANONE · Nestlé · Pierre Fabre · General Mills Making Food People Love · CHANEL

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