

TUBE WELD TESTERS TUBE CRUSH ATS



**THE FAST AND
RELIABLE MODEL**

WELD TESTER TUBES TUBE CRUSH ATS THE FAST AND RELIABLE MODEL



PNEUMATIC MODEL

This machine is used to **test heat-sealed plastic and metalloplastic tubes, doypacks, bags and other packaging**, directly on the production line or laboratory.

Why test your weld? During heat sealing, weld defects may appear due to electrode temperatures, material thicknesses, presence of impurities.

The sources of faults in this process are numerous and the implementation of reliable control as close as possible to the production line is essential.

The ATS device is involved in a **destructive frequency control** which consists in raising the internal pressure of the tube, by external compression. It highlights the leaks and micro-leaks by applying the solder.

The shapes of the presser, the pressure exerted and the points of support depend on the tubes and materials tested. ACRN, with 20 years of experience in the field, can guide you through these adjustments.

It is a quick, simple, affordable and completely reliable test deployed by a large number of packaging manufacturers.



FUNCTION

Thanks in particular to its intuitive design and these various accessories, it allows **the operator to perform a repeatable test and verifies the integrity of the weld** by the absence of leaks under the effect of a crushing force applied to the sample to be tested.

After setting the time delay and opening the ATS door, place the sample, close the door, the cycle starts automatically.

As a reminder, it allows two kinds of tests to be set up:

- Micro-leak test which increases with pressurization and causes bursting
- Burst test to determine the strength of welds.



* Adapted to customer constraints after validation of the need



BENEFITS

- Simple, fast, reliable and fully repeatable test
- Fully pneumatic
- Precise leak location
- Existing solutions for a large number of tubes and packaging
- The sample holder has an adjustable stopper, allowing testing of a wide variety of sample shapes
- It allows you to perform your tests in complete safety thanks to the transparent polycarbonate safety cover preventing its opening during the test and the start of a cycle once opened
- Transparent receptacle cleanable in case of tube bursting

OPTIONS

Special anvils on request
Calibration kit
Anti-marking kit



Anvils



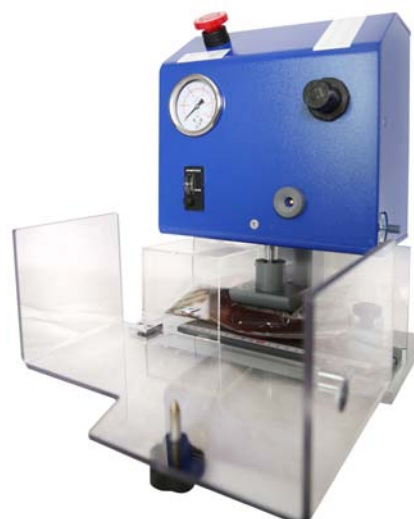
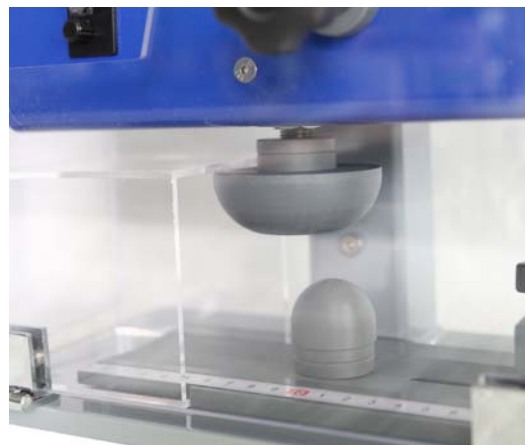
Calibration kit



Anti-marking kit

TECHNICAL INFORMATION

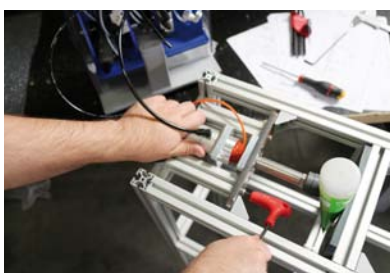
Crush tube	Crushes PVC tube on rigid metal frame, transparent unbreakable polycarbonate casing
Power supply	Pressurized air from 0 to 10 bars
Autoplay	1,6 class manometer (accuracy 1,6% of the full scale)
Pressure force	From 50 to 1 000 N
Pressure adjustment	Adjustment dial pressure regulator
Time delay	Adjustable from 0 to 30 secondes (time delay +/- 1 second)
Connection power supply	Connection to a compressed air network by Rislant tube 8 mm outside diameter
Useful dimensions	L300xD200xH280 mm
Weight	10 kg



DELIVERED WITH:

- A calibration certificate LNE/COFRAC

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 (technology, budget, ergonomics).

Leak testing and dynamometric testing

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

Major manufacturers have trusted us for many years

L'ORÉAL
PARIS

