

# MFY-T02 Leak and Sealing Strength Tester



## 1. introductions

The MFY-T02 sealing tester adopts the principle of negative pressure testing and is suitable for sealing tests of packaging such as bags, bottles, cans, and boxes. Through experiments, the sealing process and sealing performance of packaging can be effectively compared and evaluated, providing scientific basis for determining relevant technical indicators. It can also be used for testing the sealing performance of certain packaging components after drop and pressure tests, also known as sealing instruments, sealing testers, and flexible packaging sealing testers.

## 2. test principle

By evacuating the vacuum chamber, the sample immersed in water is subjected to an internal and external pressure difference, and the gas leakage inside the sample is observed to determine its sealing performance; By evacuating the vacuum chamber to create an internal and external pressure difference in the sample, observing the expansion of the sample and the recovery of its shape after releasing the vacuum, the sealing performance of the sample can be determined.

## 3. specifications

No.	Item	Spec.
1	Vacuum degree	0 to -90kPa
2	Accuracy of vacuum degree	Grade 0.25
3	Measuring method	Normal / Gradient method
4	Vacuum tank model and effective room space	Standard 300 vacuum tank, $\phi 270 \times 210$ (H) Optional 400 vacuum tank, $\phi 360 \times 585$ (H) Optional 500 vacuum tank, $\phi 460 \times 330$ (H) Other size
5	operating and control	Auto control, touch screen operate
6	Vacuum degree keeping performance	Auto gas replenishment and constant pressure maintenance
7	Air source pressure	0.7-0.9Mpa(air source prepared by client)
8	Air source connecting port	$\phi 6$ mm Polyurethane pipe
9	Voltage	AC 220V 50Hz / AC 120V 60Hz
10	Dimension	Host:300x400x150mmm 300 vacuum tank: $\phi 310 \times 355$ (h)
11	Weight	Host:6.5kg 300 vacuum tank:9.5kg

## 4. test standard

GB/T 15171、ASTM D3078

## 5. application

Basic application	Sealing test for flexible packaging bags
	Sealing test for packaging such as cans, bottles, tubes, boxes, etc
	Sealing test of packaging after drop and pressure resistance test

## 6. features

- Key components are selected from world-renowned imported brands, with a vacuum accuracy of 0.25 level
- Imported high-speed and high-precision sampling chips to ensure real-time and accurate testing data
- Automatic constant pressure air supply ensures that testing can be conducted under preset vacuum conditions
- Automatic blowback unloading function, making the end of the test process simple and smooth
- Equipped with gradient test mode, it is convenient to quickly find the critical value of sample leakage pressure
- Vacuum degree and time can be preset. Simply enter the values to enter the test mode
- Large size high-definition color LCD screen, convenient for users to control and display real-time data and curves

## 7. packing list

**Standard configuration:** main unit, embedded software, 300 vacuum tank, Ø 6mm polyurethane pipe

**Optional parts:** 400 vacuum cans, 500 vacuum cans, and other sizes of vacuum cans

**Note:** The air source interface of this machine is a Ø 6mm polyurethane pipe; The gas source is provided by the user.