

# HST-T02 Hot Seal Tester



## 1. introductions

The HST-T02 heat sealing tester adopts the testing principle of hot pressing sealing method and is suitable for measuring the heat sealing pressure, heat sealing temperature, and heat sealing time parameters of flexible packaging composite films, plastic film substrates, coated paper, and other heat sealing composite films. It is an indispensable testing instrument in laboratories, scientific research, and online production, also known as heat sealing strength tester, heat sealing performance tester, and heat sealing strength testing machine.

## 2. specifications

No.	Item	Spec.
1	Hot sealing temperature	RT to 300°C
2	Hot sealing pressure	50-700kpa(depends on sealing area)
3	Hot sealing time	0.1-999.9s
4	Temperature control accuracy	±0.2°C
5	Sealing area	330x10mm(allow customize)
6	Heating method	Double heating (can control independently)
7	Air source pressure	0.7-0.8Mpa(air source prepared by client)
8	Air source connecting port	φ6mmPolyurethane pipe
9	Voltage	AC 220V 50Hz / AC 120V 60Hz
10	Dimension	448x338x425mm
11	Weight	45kg

## 3. test principle

HST-T02 adopts the hot pressing sealing method, placing the sample to be sealed between the upper and lower hot heads, and completing the sealing of the sample under pre-set temperature, pressure, and time conditions. By heat sealing the sample under different test conditions such as temperature, pressure, and time, a suitable packaging process for the sample can be obtained.

## 4. test standard

QB/T 2358、ASTM F2029、YBB 00122003

## 5. application

<b>Basic application</b>	Thin film materials	Used for heat sealing tests of various plastic films, plastic composite films, paper plastic composite films, aluminum plated films, aluminum foil, co extruded films, aluminum foil composite films and other film like materials. The heat sealing width can be designed according to user needs
<b>Extended applications (optional/customized)</b>	Jelly cup lid	Place the jelly cup into the opening of the lower head, match the opening of the lower head with the outer diameter of the jelly cup, place the rim of the cup on the edge of the hole, make the upper head circular, and press down to complete the heat sealing of the jelly cup
	Plastic hose	Place the tail of the plastic hose between the upper and lower heads, heat seal the tail, and turn the plastic hose into a packaging container

## 6. features

- PID control of heat sealing temperature effectively improves temperature control accuracy
- Manual and pedal start modes, as well as anti scald safety design, can effectively ensure the convenience and safety of user use
- Parameters such as heat sealing pressure, heat sealing temperature, and heat sealing time can be preset. Simply enter the values to enter the test mode
- Key components are selected from world-renowned imported brands to ensure the accuracy and stability of the system
- Imported high-speed and high-precision sampling chips to ensure real-time and accurate testing data
- Large size high-definition color LCD screen, convenient for users to control and display real-time data and curves
- Support quick viewing of historical data

## 7. packing list

**Standard configuration:** host, embedded software, foot switch

**Optional items:** Professional software, communication cable, micro printer

**Note:** The air source interface of this machine is a  $\varnothing$  6mm polyurethane pipe; Gas source users should bring their own