

## HST-H3 Heat Seal Tester

HST-H3 heat seal tester is suitable for the accurate measurement of the heat seal temperature, heat seal time and heat seal pressure. It is a necessary laboratory instrument for food enterprises, pharmaceutical enterprises, daily chemical products enterprises, packaging and raw material production enterprises.



### Professional technology

- Microcomputer control, large screen liquid crystal display
- Saicheng independently developed "constant temperature micro control" system with higher temperature control accuracy
- The synchronous circuit of two downward cylinders ensures the pressure balance
- The aluminum potting type thermal head ensures the uniformity of the heating of the thermal cover
- The upper and lower thermal heads independently control the temperature, and the super long thermal cover design can meet the needs of different customers
- Double mode of manual and foot switch, humanized structure design
- Anti scalding design and leakage protection design make operation safer
- Micro printer, which is convenient for users to print test results



## Rich application

<b>Basic application</b>	Film material	It is suitable for the heat sealing test of various plastic film, plastic composite film, paper plastic composite film, coextrusion film, aluminizing film, aluminum foil, aluminum foil smooth plane composite film and other film-like materials. The heat sealing surface is a smooth plane, and the heat sealing width can be designed according to the user's requirements
	Film material	It is suitable for heat sealing test of various plastic film, plastic composite film, paper pattern plane plastic composite film, coextrusion film, aluminum coating film, aluminum foil, aluminum foil composite film and other film materials. The heat cover can be designed according to the needs of users
<b>Extended application (special accessories or restructuring required)</b>	Jelly cup lid	Put the jelly cup into the opening of the lower head. The opening of the lower head matches the outer diameter of the jelly cup. The flanging of the cup mouth falls on the edge of the hole. The upper head is made into a circle. Press down to complete the heat sealing of the jelly cup (Note: customized accessories are required)
	Plastic hose	Put the tail of the plastic hose between the upper and lower heads, heat seal the tail to make the plastic hose a packaging container

## Testing principle

HST-H3 uses the hot pressing sealing method to place the specimen to be sealed between the upper and lower hot heads, and to complete the sealing of the specimen under the preset temperature, pressure and time.

The instrument conforms to many national and international standards: QB/T 2358、ASTM F2029、YBB 00122003

## Technical index

Item	Model	HST-H3 Heat Seal Tester
Heat sealing temperature		Room temperature ~ 300 °C
Temperature control accuracy		±0.2°C
Heat sealing time		0.1~999.9s
Heat seal pressure		0.05MPa~0.7MPa
Heat sealing area		330mm×10mm (Customizable)
Heating form		Double heating (single heating optional)
Air connection		Φ6mm Polyurethane tube
Gas pressure		0.4 MPa ~ 0.7 MPa (Gas source provided by user)
Power supply		220 V/50Hz
Size		536 mm (L)×335 mm (B)×413 mm (H)
Net weight		40kg





## Product configuration

<b>Standard configuration</b>	Mainframe, foot switch, micro printer
<b>Optional</b>	Professional software, communication cable, special printing line
<b>Note</b>	The air source interface of this machine is $\Phi$ 6mm polyurethane pipe; the air source is provided by the user.

Characteristics and advantages of HST-H3: temperature, pressure and time

**Heat seal temperature:** the heat sealing head adopts aluminum filling technology, which ensures the uniformity of temperature distribution at all positions of the head. The equipment temperature control system adopts the "constant temperature micro control technology" independently developed by Saicheng to solve the temperature elevation micro drop in the traditional digital P, I and D temperature control system, shorten the original 40 minute temperature self-tuning time to 5 minutes, and reduce the waiting time of customer test.

**Heat seal pressure:** the double cylinder is designed with imported SMC components, and the synchronous circuit with steel connection of the double cylinder is designed to ensure the uniformity of test pressure and operation stability.

**Heat seal time:** HST-H3 has a built-in electromagnetic induction valve, which automatically controls the setting time of heat sealing after the double heads are fully contacted, effectively avoiding the time difference caused by the up and down test of the heads, and truly ensuring the accuracy of the test time.





## FAQ

### 1. Are you a manufacturer or a trading company ?

A: We are a professional manufacturer of test instruments. And we have our own subsidiary company for trading. All the import and export business will be handled by our own trading company.

### 2. Where is your factory located ? How can I visit there ?

A: Our factory is located in Jinan City, Shandong Province, about 1.5 hours by train from Beijing.

### 3. How to support me if i don't know how to use it?

A: Free training within the warranty by tel and mail or skype. And we have professional operation manual and operation video. We also can let our technician to customer' s company to provide training and support if customer request.

### 4. If machines wearing parts need changing, what should we do?

A:We can offer the wearing parts all the time, and offer video to show how to change it.

