HEISSSIEGELGERÄT, LABOR SIEGELGERÄT

Der HST-H3 Heißsiegeltester simuliert das Heißsiegelverfahren und steuert Temperatur, Verweilzeit und Siegeldruck für das Heißsiegeln verschiedener Verbundfolien zur Steuerung der industriellen Produktion. Das Gerät entspricht mehreren nationalen und internationalen Normen. Das HST-H3 Heißsiegelgerät basiert auf einem feinmechanischen Design. Die aluminiumkapselten Schweißbacken sorgen für eine gleichmäßige Wärmeverteilung entlang der Dichtfläche; zylindergesteuerte Schweißbacken sorgen für einen gleichmäßigen Druck auf die Prüfkörper.

EIGENSCHAFTEN

- einfacher Aufbau
- eine Siegelfläche: 330 mm x 10 mm
- Temperatur: RT ~ 300 °C (± 0,2 °C)
- Siegelzeit: 0,1 - 999,9 s
- Siegeldruck: 0,05 - 0,7MPa
- Unabhängige Temperaturregelung der Ober- und Unterkieferbacken ermöglicht mehrere Kombinationen von Prüfbedingungen.
- Leistungsstarke und geschlossene Regelkreise der Pneumatikzylinder sorgen für einen gleichmäßigen Druck der Dichtfläche.

TECHNISCHE DATEN

Stromanschluss	100 V / 50 Hz, 230 V / 50 Hz
Druckluftanschluss	nein
PC-Anschluss	RS-232
Breite / Durchmesser	0,54 m
Tiefe	0,34 m
Höhe	0,42 m
Gewicht (netto)	43 kg

NORMEN

ASTM F2029

rycobel group, Verkaufsbüro Deutschland

Tel.: +49 (0)9842 - 9 36 96 30 · Fax: +49 (0)9842 - 9 36 96 33 · info@rycobel.de
ib-walther · Willy-Brand-Straße 4 · D-97215 Uffenheim · www.rycobel.de

PARAM® HST-H3 HEAT SEAL TESTER

HST-H3 Heat Seal Tester simulates the heat sealing method, and controls temperature, dwell time, and seal pressure for heat sealing of various composite films to guide industrial production. The instrument conforms to multiple national and international standards.

Professional technology

- Digital P.I.D. temperature control technology ensures the preset temperature to be reached rapidly without fluctuations
- Wide range control of temperature, pressure and time that meets various test conditions
- Manual or pedal switch, as well as ergonomic design provides convenient and safe operating environment
- The instrument is controlled by a micro-computer with LCD, PVC operation panel and menu interface
- Professional software supports remote operation for convenient data saving, exporting, and printing

Precision

HST-H3 Heat Seal Tester is based on a precision mechanical design. The aluminum-encapsulate heat sealing jaws ensure uniform heat spreading along the sealing surface; cylinder-controlled sealing jaws assure equally pressure on the test specimens.

- Aluminum-encapsulated sealing jaws provide even and uniform temperature for different sealing surfaces
- High performance type of pneumatic cylinders ensure stable pressure during the test process

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Features

HST-H3 Heat Seal Tester design guarantees the best choice for high-end users:

- Independent temperature control of the upper and lower jaws gives multiple combinations of test conditions
- High performance and closed loop-type of pneumatic cylinders ensure even pressure of sealing surface
- Extended sealing surface can seal larger or several specimens at the same time
- Equipped with pedal switch for safe test operation
- Standard RS232 port and professional software facilitate to connect with computer for data transfer

Test Principle

HST-H3 Heat Seal Tester is composed of upper and lower heat sealing jaws. Before the test, preset the heat seal temperature, pressure and dwell time value, place the specimen in between the upper and lower jaws, and then press the start button. The whole sealing process will be finished automatically. This test instrument conforms to the following standards: ASTM F2029, QB/T 2358, YBB 00122003 HST-H3 Heat Seal Tester is applicable to the determination of heatsealability of

BASIC APPLICATIONS	
Films with Smooth Surface	Including plastic films, plastic composite films, paper-plastic composite films, coextruded films, aluminized films, aluminum foils, aluminum foil composite films, and many others. The heat sealing surface should be smooth and the width can be designed based on user requirements.
Films with Decorative Pattern Surface	Including plastic films, plastic composite films, paper-plastic composite films, coextruded films, aluminized films, aluminum foil, aluminum foil composite films, and many others. Heat sealing surface can be designed based on user requirements.

EXTENDED APPLICATIONS	
Covers of Jelly Cups	The instrument is composed of the upper and lower jaw. The upper one is round-shape while the lower one is designed as a specimen mold whose size exactly fits the jelly cup. Put the jelly cup in the mold of the lower jaw, and heating seal can be finished by upper jaw pushing. (Customization required)
Plastic Flexible Tuber	The ends of plastic flexible tubes are placed in between upper and lower jaws, and then sealed to form a package.

TECHNICAL SPECIFICATIONS	
Sealing temperature	Room temperature ~ 300°C
Accuracy	±0.2°C
Dwell time	0.1~999.9 s
Sealing pressure	0.05 MPa ~ 0.7 MPa
Sealing Area	330 mm ×10 mm (customization available)
Heating mode	Single heating surface or double heating surfaces
Pneumatic Pressure	0.5 MPa ~ 0.7MPa (outside of supply scope)
Port size	0 6 mm PU Tubing
Instrument dimensions	536 mm (L) × 335 mm (W) × 413 mm (H)
Power supply	AC 220V 50Hz
Net weight	43 kg

CONFIGURATIONS	
Standard configurations	Mainframe, Pedal Switch
Optional parts	Professional Software, Communication Cable, Micro-printer and Printer Cable
Note	1. The pneumatic supply port of the instrument is 06 mm PU Tubing; 2. Customers will need to prepare for compressed air supply.