

KASON-Heat Seal Strength Tester



KASON-HSST3 Heat Seal Strength Tester



KASON-HSST3A Heat Seal Strength Tester



KASON-HSST5 Heat Seal Strength Tester

Product Introduction

KASON Heat Seal Strength Tester uses the hot-press sealing method to measure heat-sealing temperature, time and pressure for plastic films, flexible packaging composites, coated paper and other heat-sealable materials. It provides accurate test data for heat sealing evaluation. The fully digital control system and world-renowned key components ensure high automation and easy operation.

Product Features

- Digital control system with full-automatic operation
- Digital PID temperature control for high precision
- Aluminum alloy sealing jaws for fast heat conduction and uniform temperature
- Customized heating tubes for rapid heating and long service life
- Dual-cylinder structure with adjustable pressure balance for stable movement
- High-precision pneumatic components of international famous brands
- Anti-scald and electric leakage protection for safer operation
- Durable heating elements for long service life
- Automatic / manual dual modes for efficient operation
- Ergonomic operation panel for easy use
- Dual-side cooling fans for fast and even heat dissipation

Testing Principle

The sample is placed between upper and lower sealing heads, and sealed under preset temperature, pressure and time. By testing under different parameters, the optimal heat-sealing process can be determined.

Technical Specifications

| Item | KASON-HSST3 | KASON-HSST3 A | KASON-HSST5 |
|------------------------------|---------------------|---------------------|----------------------------|
| Heat-sealing Temperature | Ambient +10℃ ~ 300℃ | Ambient +10℃ ~ 300℃ | Ambient +10℃ ~ 250℃ |
| Heat-sealing Pressure | 100 ~ 800 kPa | 100 ~ 800 kPa | 0 ~ 0.7MPa (adjustable) |
| Heat-sealing Time | 0.1 ~ 999.9 s | 0.1 ~ 999.9 s | 0.01 ~ 99.99s (adjustable) |
| Temperature Control Accuracy | ±1℃ | ±0.5℃ | ±1℃ |

| | | | |
|------------------------|--|--|---|
| Temperature Resolution | 0.1℃ | 0.1℃ | 0.1℃ |
| Heat-sealing Area | 300 mm × 10 mm (customizable) | 300 mm × 10 mm (other sizes customizable) | 0mm×10mm×5 pieces (other sizes customizable) |
| Heating Mode | Single / dual heating (independently controlled) | Single / dual heating (independently controlled) | Single / Dual heating; top & bottom jaws independently controlled |
| Test Mode | Manual / Automatic | 0.7–0.8 MPa (user-supplied) | Manual / Automatic |
| Air Supply Pressure | 0.7 ~ 0.8 MPa (user-supplied) | 0.7–0.8 MPa (user-supplied) | ≤0.7MPa (user-supplied) |
| Air Connector | Φ6 mm polyurethane tube | Φ6 mm polyurethane tube | Φ6 mm polyurethane tube |
| Test Environment | Standard laboratory conditions | Standard laboratory conditions | Standard laboratory conditions |
| Power Supply | AC 220 V, 50 Hz | AC 220 V, 50 Hz | AC 220 V, 50 Hz |
| Dimensions | 550 mm (L) × 330 mm (W) × 460 mm (H) | 550 mm (L) × 350 mm (W) × 450 mm (H) | 550×330×460mm (L×W×H) |

Standard Configuration

Main unit, air filter, foot switch, air tube, power cord, technical documents

Optional Accessories

Non-standard sealing jaws, customized services

FOCUS IN MATERIAL TEST

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