

C632M **Hot Tack Tester** is applicable in hot tack and heat seal performance tests for plastic films, laminated films and other packaging materials.

Product Features^{Note1}

Constant Pressure & Automated Sample Feeding

- Automatic pressure control technology manages the pressure fluctuation within 0.005MPa
- The test pressure can be set through the program without manual adjustment
- Automatic sample feeding technology to ensure the accuracy of test time
- Upper and lower sealing jaws with metal surfaces can obtain more authentic thermal tack performance
- Digital P.I.D temperature control technology enables the tester to reach the set temperature quickly, effectively avoids temperature fluctuations



Safety Design & Automatic Sample Clamping

- The overall protective cover is designed to prevent hand pinching, scalding and collision, making sure the operation is safer
- Preload fixtures are convenient for sample clamping.
- Pneumatic sample clamping saves time and effort, with consistent clamping force and better sealing efficiency.
- Observation window for clear monitoring of the test process

Intelligent Control & Reliable Performance

- The 7 Inch industrial level Touch panel control for easier operation.
- Sensor static design, reducing force fluctuation
- AC servo system, more stable high-speed operation
- Global sourced core components ensure low failure rate and long service life
- The self-detection function warns of over heat and over limit.
- Support display of multiple units in MPa and PSI.
- Functions of automatic data saving, power failure automatic memory to prevent data loss.
- Multi-level user authority management, login with password.

- Micro-printer and universal USB data interface for convenient data output and transmission(optional).
- DataShield™ Data Management System enables centralized data management and convenient information system connection (optional)

Standards ^{Note1}

ASTM F1921、GB/T 34445

Applications ^{Note1}

Basic applications	Plastic films, sheets and composite films e.g. PE, PP, PET and composite films used in packages for instant noodle, milk powder, washing powder, food and drugs
Extended applications	Hot seal test of flexible plastic film and composite film.

Technical Specifications

Technical Parameters ^{Note2}

Parameters/Model		C632M
Load Cell Capacity	N	50
Force Accuracy	FS	0.5
Force Resolution	N	0.001
Pressure range	MPa	0.05~0.7
Pressure resolution	MPa	0.001
Temperature range	℃	Room temperature ~250
Temperature fluctuation	℃	±0.2
Test Speed	mm/min	1500、2000~12000
Heat Seal Dwell Time	s	0.1~999.9
Delay time	s	0.01~999.99
Extended functions	Software	Optional
	Microprinter	Optional
	DataShield™ Data Management System ^{Note 3}	Optional

Table:2 Technical Specifications

Sealing Jaw	1 Set (Double heating)
Jaw surface	Metal
Jaw size	100 mm x 10mm
Fixture width	35 mm
Sample width	15 mm or 25 mm or 25.4 mm
Fixtures distance	350 mm
Air supply	Dry air (out of supply scope)
Air source pressure	101.5PSI / 0.7 MPa
Port size	Φ6mm PU tubing
Dimensions	32" H x 17" W x 19" D (81cm × 43cm × 48cm)
Power	120VAC±10% 60Hz / 220VAC±10% 50Hz (one of two)
Net weight	133Lbs (60kg)

Table 3: Product configuration

Standard configuration	Mainframe, pneumatic fixtures, sampler, pedal switch, 6 mm tubing
Optional	Software, air compressor, DataShield™ Data Management System ^{Note3}
Remark	The inlet of the air compressor uses 6 mm tubing (101.5PSI / 0.7 MPa) , the air source is out of supply scope.

Note 1: All the product features are subject to detailed descriptions in the “Technical Parameters”.

Note 2: The parameters in the table are measured by professional operators in Labthink Laboratory according to the requirements and conditions of relevant laboratory environmental standards.

Note 3: DataShield™ Data Management System provides safe and reliable data application support. The system can be shared by multiple Labthink products. Please purchase respectively according to the usage.