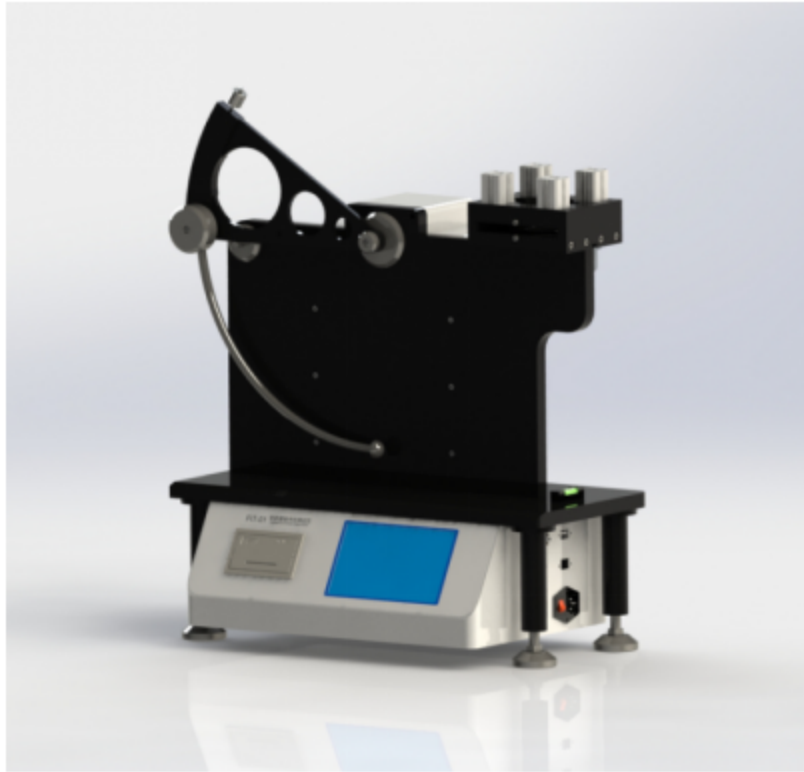


**KASON-PIT3 Thin Film Pendulum Impact Tester**

Note: The picture is for reference only

The KASON-PIT3 Thin Film Impact Tester is professionally designed for the precise determination of the pendulum impact resistance of materials such as plastic films, sheets, composite films, and metal foils.

**Technical Features:**

1. The system is microcomputer controlled and equipped with an 8-inch LCD screen. The menu-driven interface combined with a PVC operation panel allows for convenient and quick operation and data viewing.
2. Electronic measurement with an adjustable range easily and accurately meets testing requirements under different conditions.
3. Pneumatic sample clamping, pendulum pneumatic release, and horizontal adjustment auxiliary systems effectively avoid systematic errors caused by human factors.
4. The system automatically compiles test data, and the test results are displayed intuitively.
5. Utilizing precision imported components, the system boasts superior performance and reliable quality.
6. Built-in micro printer and standard RS232 interface facilitate external connection and data transmission with a computer.

**Reference Standards:**

This equipment meets multiple national and international standards: GB/T 8809, ASTM D3420, NF T54-116, etc.

**Test Principle:**

The hemispherical punch of the film impact tester impacts and penetrates the film sample at a certain speed. The energy consumed by the punch is measured to evaluate the film's resistance to pendulum impact.

**Test Applications:**

Basic Applications: Plastic Films: Suitable for testing the pendulum impact resistance of plastic films, sheets, and composite films. Examples include PE/PP composite films for food and pharmaceutical packaging bags, metallized films, aluminum-plastic composite films, nylon films, etc.

Paper and Paperboard: Suitable for testing the pendulum impact resistance of paper and paperboard, such as metallized cigarette paper and Tetra Pak aluminum-plastic composite paper.

Extended Applications: Energy Extension 5J (Non-standard): Used for large-range pendulum impact resistance testing.

**Technical Parameters:**

Item	KASON-PIT3 Thin Film Impact Tester
Impact Energy	1 J, 2 J, 3 J (Standard)
Resolution	0.001 J
Punch Size	Φ25.4 mm, Φ19 mm, Φ12.7 mm (Non-standard, customizable)
Sample Grip Diameter	Φ89 mm, Φ60 mm, Φ50 mm
Sample Size	100 mm × 100 mm or Φ100 mm
Control Method	Microcomputer control, fully automatic testing
Display Method	8-inch LCD touchscreen display
Data Output Method	Printer, USB
Air Source Pressure	0.5 MPa~0.7 MPa (Air source not provided by user, optional)
Air Source Interface	Φ6 polyurethane tube
External Dimensions	600 mm(L) × 390 mm(W) × 600 mm(H)
Power Supply	220VAC 50Hz / 120VAC 60Hz
Net Weight	Approx. 50KG

**Product Configuration:**

Standard Configuration: Main unit, gear scales, calibration scales, air hose, technical documents; Optional Accessories: Air compressor, non-standard customization service; Note: The air supply interface of this unit is a Φ6 mm polyurethane hose; the air supply is to be provided by the user.

# FOCUS IN MATERIAL TEST

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