

Free falling dart impact tester LTMC-AB

Free falling dart impact tester LTMC-AB is used for determine the impact mass and energy when plastic film or sheet sample broken at a given height by free-falling ball. Free falling dart impact testing machine controlled by microcomputer, automatic calculation sample resistance to impact energy and impact curve, specimen clamping fixture, with double cylinder clamping, foot switch operation, make the whole experiment process simple, convenient . Free falling dart impact tester is widely used in the quality inspection agencies, packaging production enterprises etc.



Free falling dart impact tester LTMC-AB

▶ Test principle

First select test method, then estimate the initial quality and Δm value to begin test. If the first sample damaged, reduce quality by weight Δm ; If the first sample not damaged , increase weight by a weight Δm in order to test the quality. In short, the use of weight to reduce or increase the quality depending on the previous sample damaged or not. Calculate total N damaged sample after test 20 , if N is equal to 10, the test is completed; if N is less than 10, to continue the test until the supplementary sample N equals 10; if N is bigger than 10, continue until the not damaged sample total the equal to 10; Finally calculate impact results by the falling dart impact tester automatically .

▶ Application

Product	Name	Application
---------	------	-------------

	Films	Falling dart impact tester used for determine the impact mass and energy for films
	Plastic laminated films	It is used for determine the impact mass and energy for plastic laminated films
	Paper-based laminated films	Used for determine the impact mass and energy for paper-based laminated films
	Aluminized films	It is used for determine the impact mass and energy for aluminized films

Technical feature

- ★Microcomputer control, large LCD, PVC menu-driven user interface
- ★A, B dual test mode, built-in lights to observe the specimen pneumatic clamping, release, to facilitate users to quickly and accurately test operation
- ★Dart electromagnetic absorption hanging automatically released, effectively avoid systematic errors caused by human factors
- ★Two kinds of manual and pedal start mode, easy to operate
- ★Computing system automatically determine the test status, excellent color screen
- ★American Standard and GB standard dual test mode for easy selection
- ★Free falling dart impact tester is equipped with micro-printer
- ★Specialized computer software to support multiple unit test results show that the testing process graphic display, output and print functions, clearly and directly to the test results presented to the user
- ★Standard RS232 interface for easy connection of computers and LAN

Main Specification

Technical parameter	
Measurement Method	Method A;Method B
Test Range	Method A:50-2000g; Method B 300-2000g



Link Testing
Only for Flexible Packaging

Test Accuracy	0.1g(0.1J)
Sample Clamp	Pneumatic
Sample Dimension	>150*150mm
Machine size	Method A:480mm×470mm×1470mm Method B:480mm×470mm×2160mm
Net Weight	70kg
Environment requirements	
Air Pressure	0.6 Mpa(User-Supply)
Environment temperature	15°C-50°C
Relative humidity	No more than 70%, no dewdrop
Power supply	220V,50Hz

Standards

ISO 7765-1, ASTM D1709, JIS K7124-1

Configuration

Free falling dart impact tester host, A method and B method configuration, mini-printers, computer software, cables