



PNSHAR



Box Compression Tester

PN-CT50KC

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Description

Compressive resistance is one of the properties used to evaluate the ability of packages, boxes, and containers to successfully withstand the compressive forces they are subjected to during storage and distribution. The test gives a clear understanding of deformation under compressive force.

PN-CT50KC Box Compression Strength Tester is designed to determine the compressive forces which a packaging container is subjected to, during transportation or carry and stacked. It is used for testing the whole box anti-pressure and stacking pressure and it is mainly suitable for corrugated boxes and other material packages size 1500*1500*1500 mm which anti-pressure is less than 50KN.

Boxes can be tested to complete collapse or held automatically at a predetermined load for given period to evaluate stacking loads.

Advance mechanical design, robust construction, high accurate pressure sensor, touch screen operation system, thermo-printer or testing software able to manage and analyze the data and communicate with PC.

PN-CT50KC Box Compression Strength Tester is designed to meet international standards for tests on corrugated board.

Options Available

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BCT	PN-CT50KD	10 KN	500 * 500 * 500 mm
	PN-CT50KA	10 KN	600 * 600 * 600 mm
		15 KN	800 * 800 * 800 mm
		10 KN	1000 * 1000 * 1000 mm
	PN-CT50KB	30 KN	800 * 800 * 800 mm
		30 KN	1000 * 1000 * 1000 mm
		50 KN	1200 * 1200 * 1200 mm
	PN-CT50KC	50 KN	1200 * 1200 * 1200 mm
		50 KN	1500 * 1500 * 1500 mm
		50 KN	2000 * 2000 * 2000 mm

Applications

It applies to measure the pressure strength resistance and strike endurance of corrugated boxes, packaging containers, plastic packaging, wooden boxes during transportation or carry. Also, it can do hold pressure stacking test.

Standards

TAPPI-T804, ISO 12408, ISO 2234, GB/T4857.3, GB/T4857.4, QB/T 1048

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Specification	
Power Supply	AC380V, 10A, 50Hz 3-phase 4-wire
Indicator Error	±1%
Resolution	1N
Measuring Range	100N ~ 50KN
Deformation Error	≤ ±1mm
Testing Space	1500 × 1500 × 1500 mm
Plate Parallelism	≤ 3mm
Test Speed	(10 ± 1) mm/min(1~120mm/min)
Back Speed	(5-250) mm/min
HM Interface	English Language, 5.1" @ 240*128 Dot -Matrix LCD Blue
Printer	Micro Printer
Data Output	RS232
Work Environment	Temperature Room (20 ± 10)°C. Humidity < 85%
Dimension	(1995 × 1515 × 2605)mm (LxWxH)
Net Weight	About 2180 Kg


BOX



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