

CRT-01 Crush Tester

CRT-01 Crush Tester is a high accuracy and intelligent instrument, designed according to relevant standards. The advanced components, mating parts and micro-computer are logically structured, to ensure the property and appearance.

LEADING
INSTRUMENTS



CHARACTERISTICS

Mechatronics modern design concept, compact structure, nice appearance, easy maintenance.

Adopting high precision weighing sensor fixed on upper platen, to ensure collecting data rapidly and accurately.

Adopting high-speed ARM processor, to ensure the high degree of automation and intelligentize, very easy to operate. It has power data processing function, can get all the statistical results.

Display the pressure force and deflection in time on the LCD display.

Finishing test, the measuring head can revert automatically.

Equipped with micro-printer, convenient to get the result.

TECHNICAL INDEXES

Error: $\pm 1\%$

Variation of indication: $< 1\%$

Resolution: 1N

Measuring range: (0~2000)N

Platen parallelism: ≤ 0.05 mm

Working stroke: (1~70)mm

Test speed: (12.5 ± 2.5) mm/min

Circle pressure plate diameter: 235mm

Printout: Modular integrated thermal printer

Working environment: Room temperature $(20 \pm 10)^{\circ}\text{C}$; relative humidity $< 85\%$

Weight: 55kg

STANDARDS

ISO 12192, ISO 3035, ISO 3037, ISO 7263

ACCESSORY

Product	Testing Item & Accessory
Crush Tester	ECT(mainframe, ECT sample cutter, blocks)
	FCT (mainframe, FCT sample cutter)
	RCT (mainframe, RCT sample cutter, central plates)
	PAT (mainframe, PAT sample cutter, clamps)

Leading Instruments

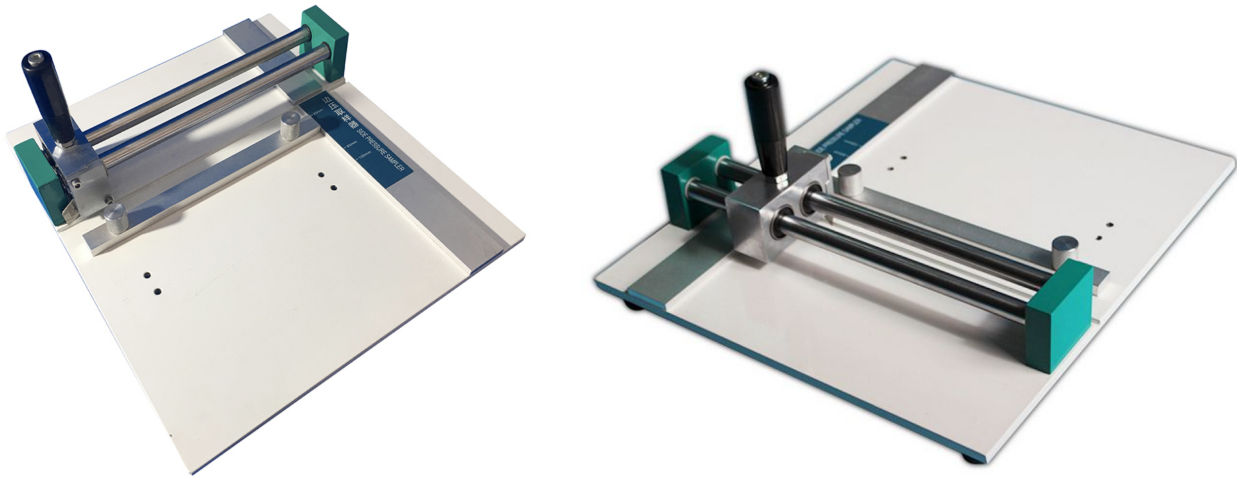
Please Note:

Pictures used are for illustration purposes only and may differ from the actual product received.

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Edge Crush and Adhesion Test Sample Cutter



PRODUCT INTRODUCTION

It's a special instrument that we produce to get the test sample of corrugated board. It's a matching tool for CRT-01.

PRODUCT FEATURE

Simple Structure, high accuracy, easy to maintain

PRODUCT APPLICATION

It's a special tool applicable in cutting all kinds of cardboards. It can be used in 3-layer, 5-layer and 7-layer cardboards.

TECHNICAL STANDARDS

This instrument is developed and made according to standards of GB6543、GB6548.

PRODUCT PARAMETERS

1. The perpendicular of blade kinematic straight line to the bezel: $\pm 0.10\text{mm}$
2. The parallelism of blade kinematic straight line to the locating surface of the locate board: $\leq 0.10\text{mm}$
3. Size tolerance of the sample cut: $\pm 0.5\text{mm}$

Corrugated fiberboard Flat Crush Test sample cutter

PRODUCT INTRODUCTION

Platen sampler is the Special apparatus of my company produced corrugated board flat crush test, it is the supporting tool of CRT-01 Crush Tester.

PRODUCT FEATURES

The sampling devices pleasing to look, compact structure, high accuracy, easy maintains.



PRODUCT APPLICATION

Take a corrugated board, press the sampler in the corrugated board, Press the handle clockwise rotation to 3-5 laps and sample will be cut. Do not counterclockwise rotation to prevent the blade being damaged.

TECHNICAL STANDARDS

ISO3035 《Corrugated fiberboard — Determination of flat crush resistance》

GB/T 2679.6 《Determination of corrugated paper flat crush resistance》

PRODUCT PARAMETER

Sampling area: 64.5 mm² 32.2 mm²

Ring Crush Test Sample Cutter

PRODUCT INTRODUCTION

The instrument according to GB/1048 regulations to manufacture, it is the sample cutter for the test of all kinds of paper and paperboard.

PRODUCT FEATURES

The sampling devices pleasing to look, compact structure, reasonable and effortless operation, easy to use

PRODUCT APPLICATION

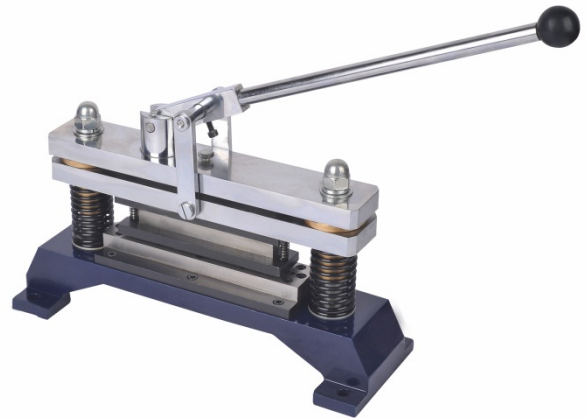
It is the sample cutter for the test of all kinds of paper and paperboard. It is the supporting tool of CRT-01 Crush Tester.

TECHNICAL STANDARDS

The instrument according to GB/1048 regulations to manufacture.

PRODUCT PARAMETER

- 1、Sample width: 12.7-0.025mm
- 2、Sample length: 152-0.25mm
- 3、sample both sides parallelism: $<0.015\text{mm}$



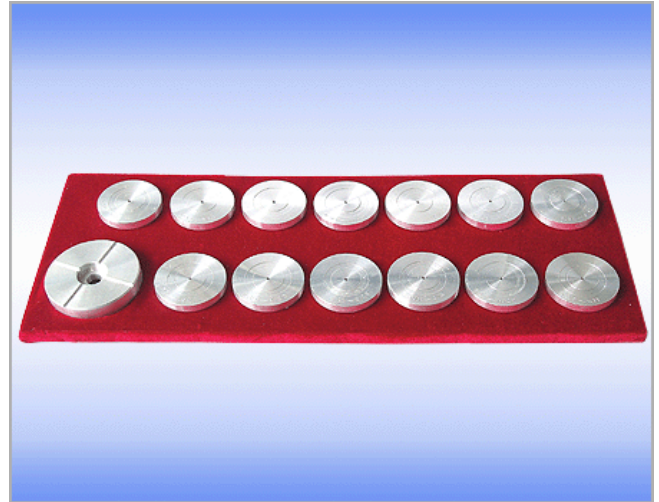
Ring Crush Central Disc

PRODUCT INTRODUCTION

Ring Crush central disc is the sample cutter for the test of all kinds of paper and paperboard.

PRODUCT FEATURES

The sampling devices pleasing to look, compact structure, reasonable and effortless operation, easy to use.



PRODUCT APPLICATION

Ring Crush central disc composed of sample base and a variety of different sizes of center disks.

TECHNICAL STANDARDS

It conforms to the standards of ISO 12192 《Paper and board -- Compressive strength -- Ring crush method》 and GB/T 2679.8 《Determination of the compressive strength of paper and cardboard ring》

PRODUCT PARAMETER

Ring groove width: 0.15mm-1.00 mm, 13 kinds of specifications, replacement different center of the disk can be measured in different thickness of the specimen.

PAT Clamps

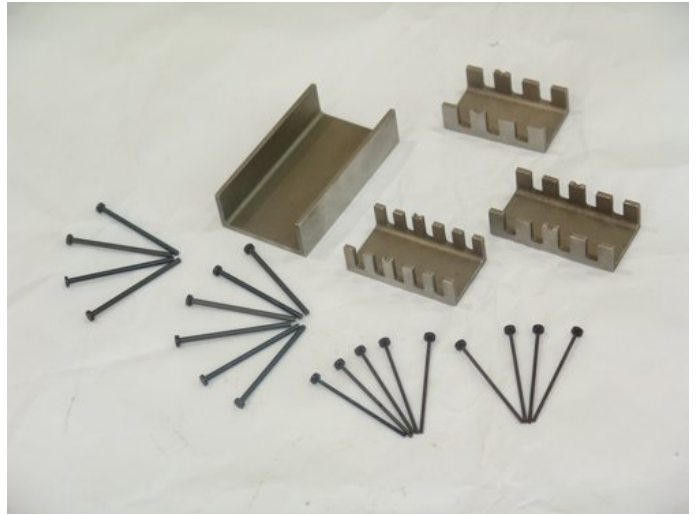
PRODUCT INTRODUCTION

PAT clamps are specially designed fixture for pin adhesion test (PAT) of different kind of corrugated board.

It is optional fixture for CRT series crush tester.

PAT clamps include fixing holder, stripping holder, short needle and long needle.

The test theory is that insert short needle and long needle alternately and let them separate the layers of corrugated board by relative vertical movement. Then test the separating force.



PRODUCT PARAMETER

Diameter of Needle: $\phi 3 \pm 0.10$ (A type corrugated cardboard);

$\phi 2 \pm 0.05$ (B,C type corrugated cardboard)

Parallelism between upper and lower planes of fixing holder: ≤ 0.10

Parallelism between upper and lower planes of stripping holder: ≤ 0.10

Straightness of Needle: ≤ 0.10