SAMPLES CRUSH TESTER
CDM-5 model

To perform compression strength tests on standardized samples of paper (liner & medium) and corrugated cardboard such as CMT - RCT - CCT - ECT - FCT - PAT

SAMPLES CRUSH TESTER CDM-5 model

APPLICABLE STANDARDS: ISO 13820

ECT test : APPITA/AS 1301.444s, DIN EN ISO 3037, FEFCO 8, ISO 13821, SCAN P33, TAPPI T 811, TAPPI T 823, TAPPI T 838, TAPPI T 839

FCT test : APPITA/AS 1301.429s, DIN EN ISO 3035, FEFCO No. 6, SCAN P32, TAPPI T 825

RCT test : APPITA/AS 1301.407s, ISO 12192, SCAN P34, TAPPI T 822

CMT test : APPITA/AS 1301.434s, ISO 7263, SCAN P27, TAPPI T809

CCT test : SCAN P42, TAPPI T 843, UNE ISO 16945

PAT test : APPITA/AS 1301.430s, FEFCO No. 11, TAPPI T 821

TEST DESCRIPTION

New generation benchtop microprocessor-controlled Compression Tester. The appropriate sample holder (ECT - CCT - PAT …) with the chosen specimen is placed in the center of the lower plate of the Crush Tester. The bottom plate is mobile, and the compression force is captured by a precision load cell, coupled to the top plate.

The results of the tests are displayed on the laptop monitor that is supplied with the crush tester. If series of tests are carried out with the same type of sample, statistical results, mean value and standard deviation are obtained. During the tests, the Crush Tester work at very low speed, but when finished and reset, the return of the moving plate to its initial test position is at maximum speed (100 mm / min).

- **Maximum force capacity: 5 kN**
- **Useful size of compression plates: 150x150 mm**
- **Maximum separation between compression plates: 140 mm**
- **Robust and precise equipment**
- **1 load cell**
- **Fixed and parallel top plate**
- **Parallelism error between plates <1/2000**
- **Force reading in N - kg and Lb**
- **Reading deformations**
- **Automatic return at 100 mm/min.**
- **RS-232 interface**
- **LYNX system compatible**

SPECIFICATIONS

- **Force range:** between 10 and 5000 N
- **Reading Resolution:** 0.1 N
- **Regulation of test speeds from the PC:** between 0.3 and 100 mm/min
- **Approach speed and automatic return to test position:** 100 mm/min
- **PC connection interface:** USB
- **Automatic return:** from the movable plate after each test to the initial position
- **Digital encoder:** to measure the deformations of the samples in mm or inches
- **Overload protection**
- **User adjustable travel limits**
- **Maintenance-free brushless electric motor**
- **4 anti-vibration and height adjustable supports**: for a correct leveling of the tester
- **1 central spindle for driving and laterally guiding the moving plate**

MEASURE OF FORCE

- **Selectable Units:** Newton, Kg & lb.

EXTENSION MEASURE (DEFORMATION)

- **Selectable Units:** millimeters and inches

SAMPLES CRUSH TESTER CDM-5 model							
Model	Rango kN	Resolution N	Plates mm	Max separation between plates mm	Dimensions W x D x H /mm	Weight kg	Power W
CDM-5	5	0,1	150x150	140	380x460x750	65	250

POWER SUPPLY: 110V/60Hz or 220V/50Hz single-phase
DIMENSIONS OF TRANSPORT PACKAGING: 450 x 520 x 900 mm (W x D X H)
GROSS WEIGHT: 120 Kg (wooden packaging with phytosanitary treatment)

STANDARD SUPPLY CONTENT:
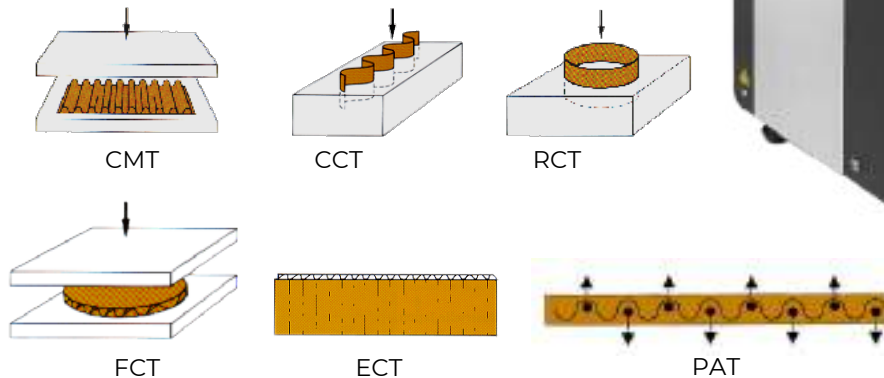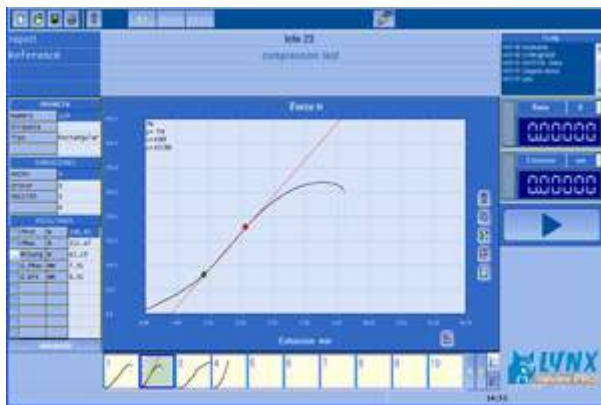* CDM-5 Crush Tester + LYNX software for compression tests CMT - RCT - CCT - PAT - FCT - ECT
* LYNX Management Module with Basic Statistics
* Mini PC - Windows O.S.

OPTIONAL:

- RCT - CCT - ECT - PAT Testing Devices
- Twin blade cutter with 12.7 mm cutting width
- Manual Punch & Die Presses of 152.4 x 12.7 mm
- Pneumatic ECT cutter for corrugated cardboard samples for ECT tests

LYNX Compression Testing Software on Paper and Corrugated Cardboard samples:

- **Quickness in the execution of tests and in obtaining results**
- **Without human error**
- **Traceability according to ISO 9000**
- **Languages included: Spanish – English**
- **The software records minimum, maximum and median value and standard deviation**
- **Storage capacity up to 100 tests per report**
- **SAVE, PRINT AND COPY TO CLIPBOARD functions**
- **Reports in PDF format**

CMT   CCT   RCT

FCT   ECT   PAT

The Testing Software allows to perform Compression tests on standard samples of corrugated paper and cardboard such as: CMT - RCT - CCT - ECT - FCT - PAT

A package with Basic Statistics is included, to be able to carry out data management, choice of language, generation of reports, library for changing test units, different levels of Password, introduction of minimum, maximum and optimal values to manage data with Statistics, Bar charts, GAUSS Bells, Comparison of Tolerances ..., export data to Word - Excel ..., PDF generation