SAMPLES CRUSH TESTER CDM-5 model

The Crush Tester is used to determine the compression strength in samples of Paper (Liner & Medium) and Corrugated Board CMT - RCT - CCT - ECT - FCT – PAT

Applicable standards:

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,

"Data in Real Time…"

MACHINE OPERATION:

Desktop equipment for the next generation controlled by the laptop PC and LYNX CRUSH TEST software.

The results are shown in real time on the graphical displays within the software. The software allows you to compare data, record results, and find statistical averages of similar tests.

With the ability to function at varying speeds, you can get accurate results during various crush tests, while not wasting time waiting for the machine to return to its initial test position. The maximum speed of the machine is 125 mm/min.

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- ❑ 15" laptop PC interface - for Data Acquisition and Control
- ❑ **LYNX** Crush Test Program (*) (CMT – CCT – RCT – CLT – ECT – FCT - PAT)
- ❑ Sturdy construction and easy to use
- ❑ Adjustable test speed between 3 and 125 mm/min
- ❑ USB interface
- ❑ Helps eliminate human error
- ❑ Languages: English, Spanish, German and French
- ❑ Force Range: 10 - 5000 N
- ❑ Reading Resolution : 0,005 N (5000 N /100.000 points)
- ❑ Direct Reading in N, Kg & lb
- ❑ Statistics: Min/Max, Average and Standard Deviation
- ❑ Save, Print and Copy to Office Clipboard
- ❑ Automatic return to the initial test position of the moving plate
- ❑ E-Stop Button Included
- ❑ Digital Encoder to measure the deflection during the test in mm. or inches
- ❑ Overload protection
- ❑ (*) It is possible to integrate in the following ways:
    - **LYNX** Management module with basic software (one-to-one connection)
    - Advanced Management Laboratory Software **LYNX** Plus & Pro (for multiple test equipment connection and/or users)

SPECIFICATIONS:

- ❑ Compression platens: 150 x 150 mm
- ❑ Maximum separation between platens: 140 mm
- ❑ Parallelism error between plates < 1/4000mm
- ❑ 1 central spindle drive with lateral guidance of the lower platen
- ❑ Limit switches, adjustable by user
- ❑ Digital encoder to measure the deflection in mm. or inches.
- ❑ Operating motor without brushes which helps prevent periodic maintenance
- ❑ Test speed: between 3 and 125 mm/min
- ❑ Approaching and automatic return speed to the initial test position: 125 mm/min
- ❑ 4 anti-vibration supports that are adjustable for proper levelling of the equipment

OPTIONAL:

- ✓ Test Holders: RCT, CCT, ECT, PAT
- ✓ Double blade cutter: 12.7 mm wide
- ✓ Manual or Pneumatic Strip Punch of 152.4 x 12.7 mm (and others)
- ✓ Pneumatic cutters for ECT (corrugated board samples)

CONNECTIONS:	DELIVERY CONTENT:
Electrical: 110V/60Hz or 230V/50Hz single-phase	> Sample Crush Tester CDM-5 model
	> 15" PC laptop + Windows OS
	> **LYNX** Crush Testing Software for CMT, RCT, CCT, ECT, PAT, FCT Tests (All testing software modules are included)
DIMENSIONS AND WEIGHT:	
Dimensions: 380 x 460 x 750 mm (WxDxH)	
Box for transport: 450 x 520 x 900 mm (WxDxH)	
Weight Net/Gross: 65 Kg / 120 Kg	

Doc. : CDM5-1-CAT-I-R2

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LYNX Software compression tests CMT - RCT - CCT - ECT - FCT - PAT is also incorporated into the Integrated Management Systems **LYNX Plus** and / or **LYNX Pro**

*"Data in Real Time…"*

PAT CCT ECT

CMT FCT RCT
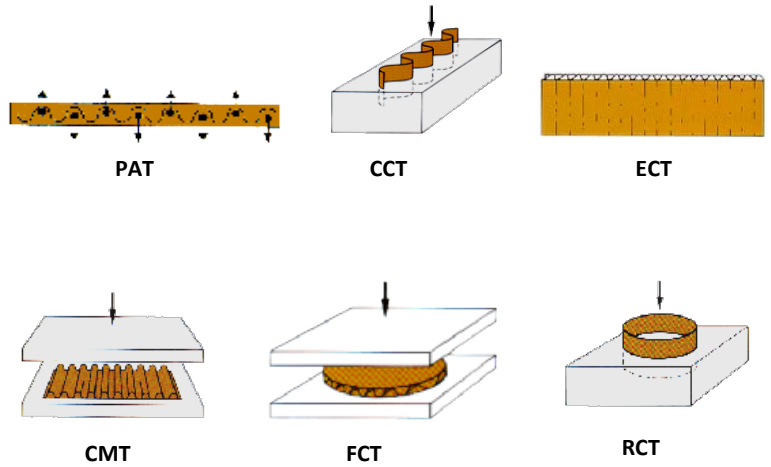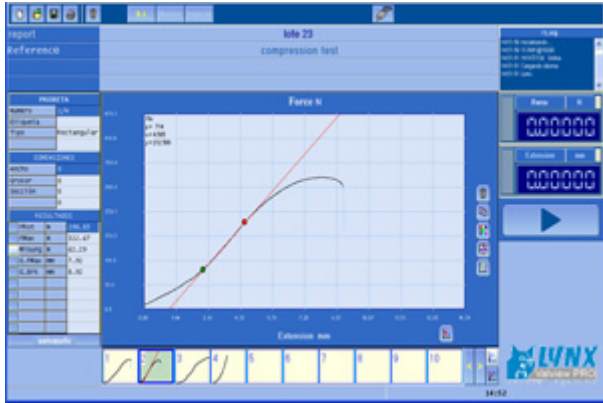
- ❑ Enhances quickness in carrying out tests and in obtaining results.
- ❑ Reduces human error.
- ❑ Traceability according to ISO 9000

Through this Software Test Module and using a Sample Crush Tester with its correspondent devices, CMT, RCT, CCT, ECT, FCT, and PAT Compression tests in Liner, Paper-Medium and Corrugated Board samples can be carried out. The data is displayed numerically and graphically on the PC monitor

- ❑ It marks minimum, maximum, and medium value as well as standard deviation
- ❑ Up to 100 tests of measurement capacity for each report
- ❑ SAVE, PRINT and COPY to Office Clipboard functions

INCLUDED: LYNX MANAGEMENT MODULE with Basic Statistics

The LYNX Management Module allows you to manage the data generated, choose the interface language, prepare and print reports that you can customize with your logo, change the testing units, different user password levels, introduce the minimum, maximum and optimal values to manage data with statistics, charts bars, GAUSSEN Bell, tolerances comparatives, export data to Word - Excel ..., PDF generation and more.
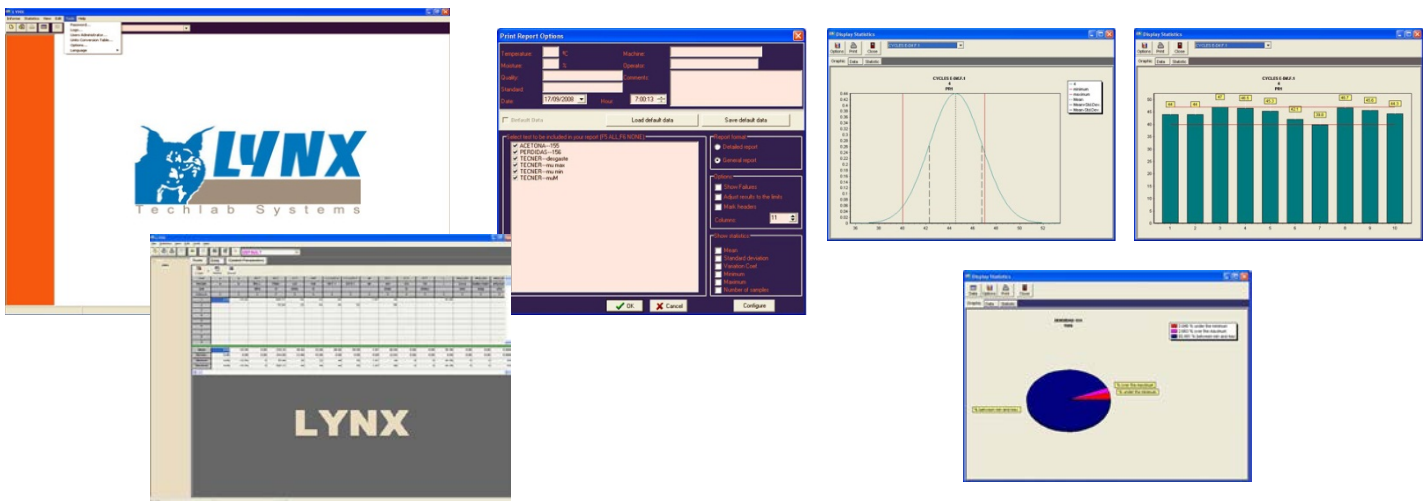
* TECHLAB SYSTEMS reserves the right to do any technical modification without advance notice

Doc.: LYNX_Crush_Tests-1-CAT-I-R1