

4-POINT BENDING STIFFNESS TESTER 4PF-50 model

To determine quickly and accurately the 4-Point Bending Stiffness on standardized samples of Corrugated Board according to the International Standard ISO 5628



"Data in Real Time..."



(with laptop PC of 15")



The Bending Stiffness is the ratio between the bending moment applied to a standard sample according to ISO 5628 and the deflection within the elastic area.

The Bending Stiffness of Corrugated Board is of great importance to achieve a great stacking strength and BCT in the boxes.

What primarily determine this Bending Stiffness are the mixture of the corrugated board thickness and the tensile strength of the liner papers.

The 4PF-50 model 4-POINT BENDING Stiffness Tester allows to:

- ✓ Measure the maximum force in **Nm**
- ✓ Determine the quality and the performance of the corrugated board used in the process.
- ✓ Perform Quality Control, Development and Innovation

- Portable Core i3 laptop PC interface for Data Acquisition and Control
- Universal **LYNX** Test Programme – included
- Statistics: Min, Max, Average, Standard Deviation, Gauss Bells, Tolerances and Bars
- Save – Print – Copy to Office Clipboard...
- Languages: English – Spanish – German & French
- Easy to use
- Robust and highly accurate
- 500 N Force Capacity** (others available upon request)
- USB interface f/connection to a PC
- Quick return to initial start position
- Improve Your Quality System to ISO 9000
- Eliminates Human Error

(*) It is possible to integrate in: Advanced Management Laboratory Software LYNX Plus & Pro (for multiple test equipment connection)

SPECIFICATIONS

- Viewing the bending force and the deformation produced, with maximum values retention
- Statistics: Average and standard deviation
- Quick return to initial start position
- Breaking level programmable
- Units selection: **Kg - N o Lb**
- Programmable test speed from **1 y 1000 mm / min**
- USB** interface for connection to a PC
- Equipped with load cell of **500 N** (standard)
- Reading resolution 1/100.000 full scale: 0,005N
- Accuracy : < **1 %** of the applied strength for a range between 2 and 100 % of full scale
- Maximum crosshead travel: **500 mm**
- Reading resolution: **0,02 mm**
- Programmable extension limits

CONNECTIONS:	DELIVERY CONTENT:
Electrical: 110V/60 Hz or 230V/50Hz single-phase	> 4PF-50 model 4-Point Bending Tester
	> Load cell of 500 N
DIMENSIONS AND WEIGHT:	> 15" Laptop PC with Windows OS
Dimensions: 420 x 670 x 950 mm (W x D x H)	> LYNX Universal Testing software
Box for transport appr.: 600 x 870 x 1250 mm (W x D x H)	> LYNX MANAGEMENT MODULE with Basic statistics
Weight Net/Gross approx.: 79 Kg / 130 Kg	

* TECHLAB SYSTEMS reserves the right to do any technical modification without advance notice

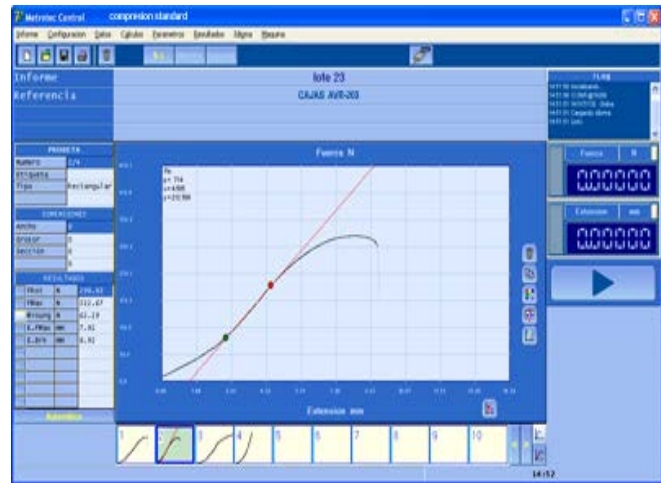
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“Data in Real Time...”

- ❑ Quickness carrying out tests and obtaining results
- ❑ No human mistakes
- ❑ Traceability according to ISO 9000

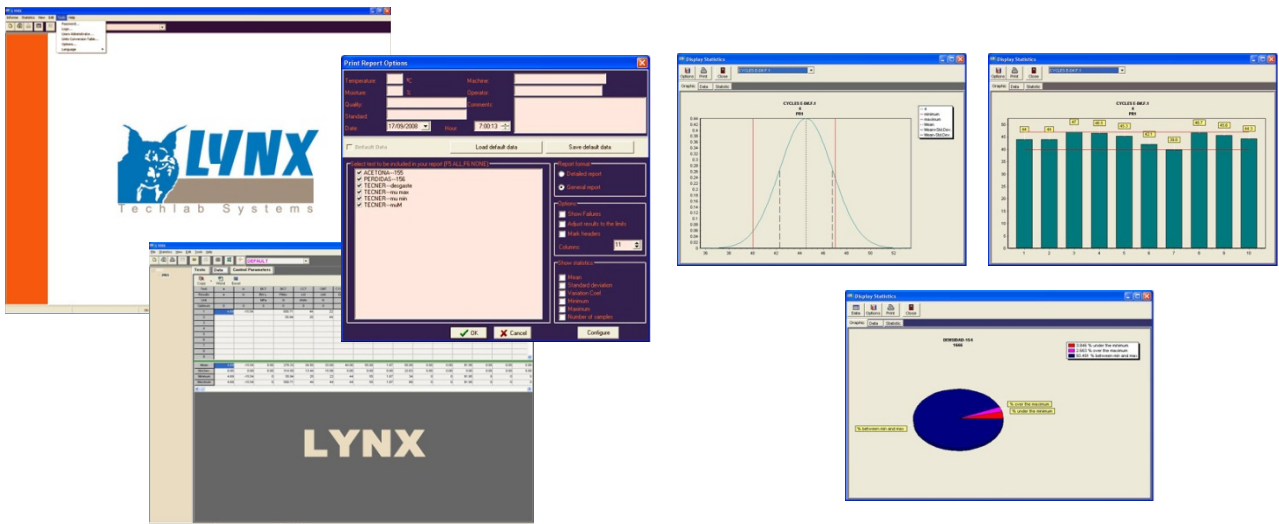
Software **LYNX** Universal Tests
TENSILE – COMPRESSION – BENDING – FRICTION and TEAR



- It marks Maximum-Minimum-Medium Values and Standard Deflection
- Up to 100 tests storing capacity for each report
- SAVE-PRINT-OFFICE CLIPBOARD FUNCTIONS – Reports in PDF format

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



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