

RYCOLAB



Usage

For measuring the compressive strength of board and corrugated board.

Applicable standards

ISO 3035, ISO 3037, TAPPI, T808, T809, T811, T818, T821, T825, T839, FEFCO N° 6-8 & 11, AFNOR 23035, etc.

Device description

This device is delivered with a built-in touch screen and controlled by an industrial computer. All parts are built into a sturdy frame. Measuring range up to 5000N with an accuracy of $\pm 1\%$ of the displayed value. Automatic test cycle with break detection and after break automatic return to starting position. Easy to select test on the display.

Test description

The sample to be tested is placed on the crush platens. By pushing the start button on the touch screen (or the separate start-button) the lower plate is moved with the selected speed (normally 12.5 mm/min) up to the higher platen. The sample between the platens is crushed, the necessary force for this test is registered and the curve is displayed on the screen. After break detection the plate goes back to the start position.

Specifications

- Possibility to carry out different type of tests on paper and corrugated board.
- By means of exchanging the sample holder accessory, it is possible to make RCT, CMT, ECT, CCT, FCT and PAT tests. Sample holders not included.
- High rigidity steel and aluminum frame.
- Driven by servo motor and high accuracy ball screw.
- Adjustable feet for the equipment leveling.
- Emergency push button.
- CE mark.
- Measuring range from 0 to 5.000 N.
- Maximum travel : 140 mm. Consult your provider about other extensions.
- Compression Plates dimensions : 150x150 mm.
- Testing and approaching speeds between 1 and 150 mm/min.



Measure



Improve



Service

- Security. Electronic (programming) and physical (limit switches) overload protection.
- RS-232 interface for connection to management and control programs.
- USB connection for maintenance works and for connection with USB printer.
- Force readings with a resolution of 0.004 % of the FS, and extension readings with a resolution of 0.01 mm.
- Accuracy. <1% of the applied force in a range between 2% and 100% of the FS.

Delivery content

- Instrument
- PC-connection cable
- Operating manual

Dimensions

| | Net | Gross |
|-------------|-----|-------|
| Width | 360 | 600 |
| Depth | 500 | 700 |
| Height [mm] | 650 | 850 |
| Weight [kg] | 45 | 70 |

Connections:

Electricity: 110-230V, 50-60Hz AC

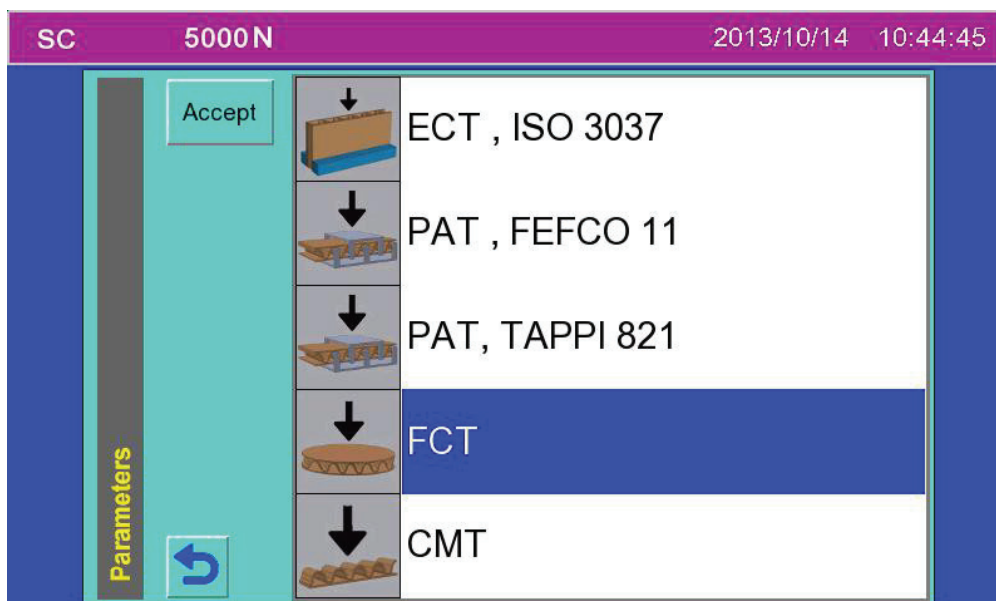


Figure : The device is touch screen operated. Values, graphs and statics are displayed.

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Holder Usage:

For measuring different purposes with the crush tester sample holder for various crush tests.

Applicable standards:

ECT Holder RCT Holder

CCT Holder PAT Holder

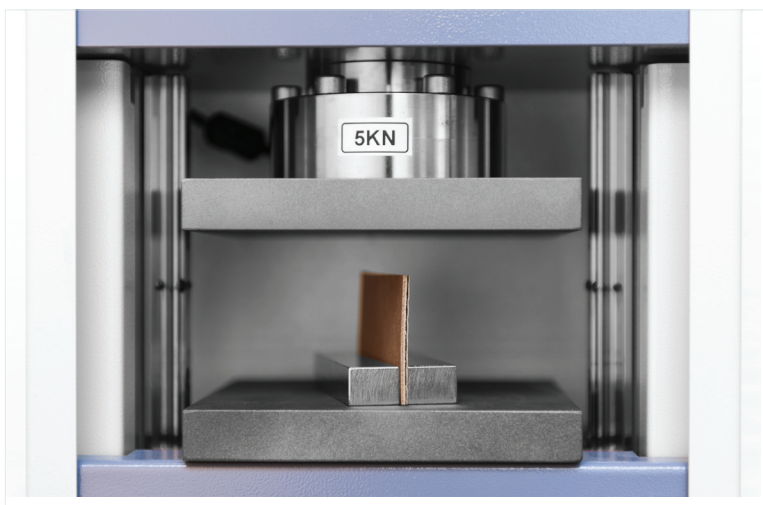


Figure: Edge Crush Test (ECT)



Figure: Concora Crush Test (CCT)



Figure: Ring Crush Test (RCT)



Figure: Pin Adhesive Test (PAT)