



# CORRUGATED BOARD Testing Equipment

PAPER TESTING ASSOCIATION

## SAMPLE CRUSH TESTER SC-500

Code. 040101

To carry out different type of compression tests on paper and corrugated board

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



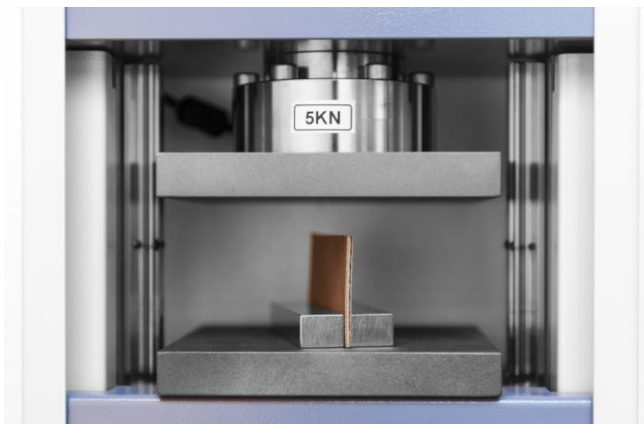
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**OpTest Equipment Inc.**

[www.optest.com](http://www.optest.com) - [sales@optest.com](mailto:sales@optest.com) - +1-613-632-5169

## CHARACTERISTICS :

- 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.
- 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.



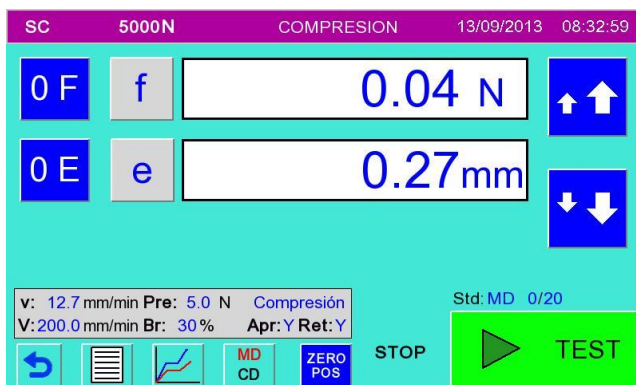
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### USER INTERFACE :

- Machine controlled by means of a touch screen and two auxiliary buttons.
- Through the visualization and control screen, the total control and configuration of the machine can be managed.
- Easy and intuitive operation of the control menu, configurable in different languages.
- Possibility of selecting and defining multiple test results. Two result tables with a maximum of 10 result types and 20 test results per table.
- Possibility of display the test results in graphic way.
- Statistical control. Mean value, standard deviation and maximum and minimum values.
- Different configurable units for the force, extension and speed parameters.
- Test maneuver with automatic return to initial position at maximum speed (150 mm/min).
- Setting of different breaking and preload levels.
- Periodical programme updatings (without additional costs).



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## TEST DESCRIPTION :

The holder is placed with the test specimen centered in the lower plate of the compression tester. When the test begins, the inferior plate will displace upward and a load will begin to be applied to the specimen. This force is captured by means of a load cell coupled to the upper plate. When the system detects the sample breaking, the inferior plate returns to the initial position at the maximum speed.



## SOFTWARE CONTROL (Optional) :

The machine, through its RS-232 connection, allows the total control and management of the test, by means of the PTA NOVILOG Software. It will be possible to preset tests, save test results graphical curves, carry out test reports, etc.

## CONNECTIONS :

Electric : 220/110V, 50/60Hz

Air supply : 6 Bar

## WEIGHT AND DIMENSIONS (ONLY MACHINE) :

380 x 460 x 750 mm (WxLxH), 65 Kg

## WEIGHT AND DIMENSIONS WITH PACKING BOX :

450x520x900 mm (WxLxH), 120 Kg

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