

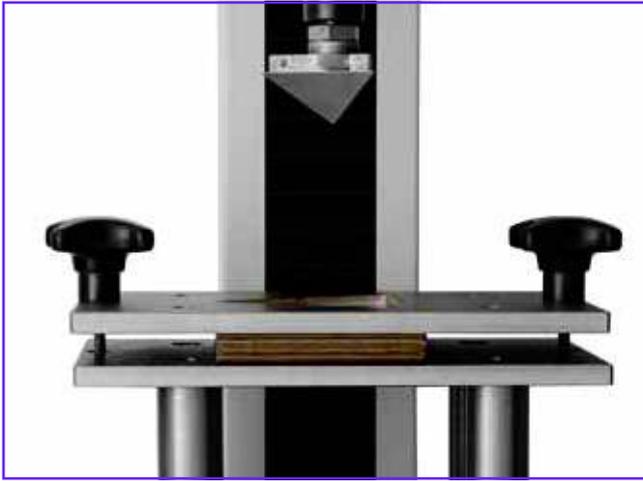
UNIVERSAL TESTER

Accessories for board

Sample supports for the universal testing instrument for various board-test procedures.

The universal tester (*see pages 78 – 79*) has been specially developed for different tensile and pressure test processes on various materials (paper, board, tissue). The sample supports can be changed as required according to materials and requirements.



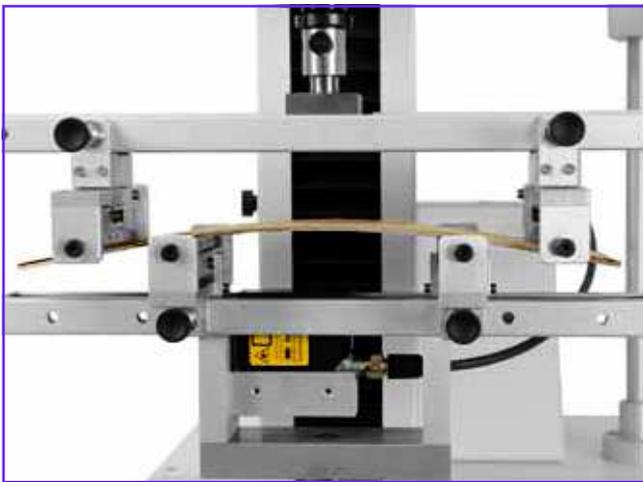


Sample support for the Puncture Test

Puncture Test

To determine the energy used during static puncturing of board and corrugated board.

The same geometry of the puncture head as in the puncture tester is employed (see pages 152 – 153). During the static procedure, the sample is clamped into the sample holder. Pushing the start button sets the puncture head in motion down onto the sample from above at 200 mm/minute and punctures the sample. The measurement values can be read from the touch screen of the universal tester from a real-time curve.



4-Point-Bending

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To determine flexural strength.

The material for testing is placed on the two supports. The distance between the supports is set as required. Pressing the start button moves the compression bar down and applies a central load to the test strip. As soon as the predefined force or desired distance is reached, measuring stops and the compression bar travels back to the start point. The measured values are displayed on the universal tester's touch screen as a real-time curve.



Sample support for the Score Quality Test (SQT)

Score Quality Test (SQT)

To determine the score quality of corrugated board.

The prepared 25.4 mm sample is fluted, in MD or CD as required, and placed in the sample holder. A compression bar applies pressure to the corrugation in the middle of the corrugated boards until this is pushed downwards at least 12.7 mm, or the angle between the two sides reaches 90°. The measured values are displayed on the universal tester's touch screen as a real-time curve. The force required is compared with force used in a test with uncorrugated board. This procedure allows the score quality to be determined.