

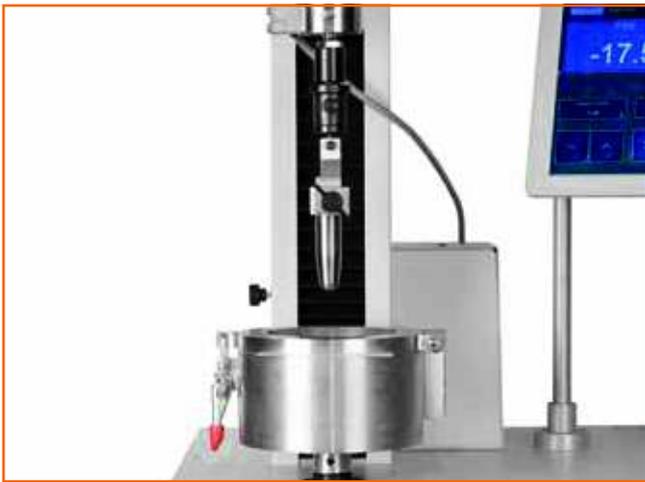
UNIVERSAL TESTER

Accessories for tissue

Sample supports for the universal testing instrument for various tissue 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 Ball Burst Test

Ball Burst Test

To determine the burst strength of tissue materials.

The tissue sample is clamped into the sample mechanism using quick clamps. The distance between polished plunger and the sample support is set automatically when a program is selected. Pushing the start button causes the plunger to travel downward at a defined speed and apply a load to a point on the tissue sample until it breaks. Then the plunger travels automatically back to the start position. The measured values can be read from the touch screen of the universal tester as a real-time curve.



Sample support for the Wet Tensile Strength Test (Finch)

Wet Tensile Strength Test (Finch Test)

To determine the wet tensile strength of tissue.

The tissue sample is pulled one time over the sample mechanism bar, above the water container, and clamped at both ends into the sample holder above using the quick clamps. The water container is lifted upwards by hand and returned to the start position 15 seconds later. Pushing the start button initiates the wet tensile test. The sample holder moves upwards continuously until the sample breaks at the bar. The values can be read from the touch screen as both numerical results and graphically. If more than one test in MD and CD is carried out, their statistics can be compared and displayed as ratio.



Pneumatic clamps for the Dry Tensile Strength Test

Dry Tensile Strength Test

To determine the dry tensile strength of tissue.

The touch screen is used to select the appropriate program, and the upper sample clamp travels automatically to the correct start position, so that the clamps are a distance acc. to standard apart. The test strip is then clamped into the sample clamps. Pushing the start button initiates the tensile strength test. The upper clamp moves upwards until the sample breaks. The values can be read from the touch screen as both numerical results and graphically. If more than one test in MD and CD is carried out, their statistics can be compared, and displayed as ratio.

The universal tester is delivered with hand clamps (see page 79) as standard. Optionally, pneumatic clamps are available.