Tuoteluettelo 2019
Print and Surface

- Absorption Characteristic Tester
- Bekk Smoothness Tester
- Bendtsen Roughness and Porosity
- DAT 1121 Dynamic Contact Angle Tester
- Manual Cobb Tester
- Parker Print Surf
- PGX+ Pocket Goniometer

Paper and Board Strength

- Burst Tester
- Crease and Board Tester
- Crush Tester
- Tear Tester
- Horizontal Tensile Tester
- 49-56 Micrometer
- Short Span Compression Tester

Board Testing

- Vertical Fluter

Pulp

- Canadian Standard Freeness Tester
- Schopper Riegler Freeness Tester
- Somerville Screen

Sample Preparation

- Circular Sample Punch
- ECT Pneumatic Cutter
- Rectangular puncher
Print and Surface

Absorption Characteristic Tester
61-76

The ACT monitors water uptake continuously across a full 100 cm² area of sized paper or board as a function of time. Apart from the total amount of absorbed water over 60 seconds, this technology reveals the different dynamic components of water absorption.

Applications: Absorption, Contact angle

Bekk Smoothness Tester
58-05

The Bekk Smoothness Tester determines the smoothness of the paper in Bekk Seconds. The instrument works with a vacuum and is microprocessor controlled. The pressure interval can be set between 50.66 - 48.00 and 50.66 - 29.33 kPa.

Applications: Absorption, Permeation rate determination

ISO 5627, TAPPI T-479, DIN 53107

Myynti ja huolto
Pineco Trading Oy
pineco.fi  info@pineco.fi +358 505 879 879
**Bendtsen Roughness and Porosity**

58-27

The Bendtsen Roughness Tester measures the roughness of paper, board or corrugated. The flow measuring ranges from 0 – 5000ml/min. Two heads (roughness and porosity) can be connected to the instrument making it easy to change between two tests.

Applications: Roughness, Porosity

ISO 8791-2, Scan P21, Nen 2012 , BS 4420 , DIN 53108

ISO 5636-3, Nen 2015, BS 1990, DIN 53120

Linkki tuotesivulle

---

**DAT 1121 Dynamic Contact Angle Tester**

68-96

Fast and accurate measurement. The DAT measures the contact angle (dynamic and static), surface tension, penetration, surface energy and spreading. The instrument uses a sophisticated camera to capture the fall/ shape of the drop, the shape on the sample and eventually the penetration. The pump and the camera work closely together. This is critical to have the correct amount of liquid and have each test start at the same time.

Applications: Contact angle

Linkki tuotesivulle
**Manual Cobb Tester**

Applications: Absorption

[Linkki tuotesivulle]

**Parker Print Surf**

58-06

The Parker Print Surf measures the roughness of paper. The Measuring range is between 0.2 to 15 microns. The clamp pressure can be at 500, 1000, 2,000 kPa and a custom setting (max 5,000 kPa). Optionally Air Permeance can be added.

Applications: Roughness, Air permeancy

ISO 8791/4, ISO 5636/1, TAPPI T-555

[Linkki tuotesivulle]

**PGX+ Pocket Goniometer**

68-76

The model 68-76 PocketGoniometer PGX+ is a portable, video-based instrument designed for quality control applications. To quickly perform a measurement, simply place the unit directly on the specimen and press "start."

Applications: Roughness, Air permeancy

ISO 8791/4, ISO 5636/1, TAPPI T-555

[Linkki tuotesivulle]
Paper and Board Strength

**Burst Tester**
13-6x

Hydraulic Burst Tester has three different versions dedicated for the paper, board or textile industry. After pressing start, the hydrostatic pressure is build up and pushes the membrane through the sample. The peak pressure at break is given.

Applications: Burst strength-sheet
ASTM standard D-774, 3786, ISO 2758, 2759, 1328-2:1999, 2960, BS 4768

[Linkki tuotesivulle](#)

**Crease and Board Tester**
79-11

The Crease & Board Stiffness Tester measures the stiffness, spring back and the crease strength. The instrument is suitable for paper and board. The stiffness and spring back is measured at 15° angle and 50mm. The crease is measured at 90° angle and 10mm.

Applications: Flex testing, Hardness/stiffness
BS 6965:1, BS 3748, PMI 068, BS ISO 2493-1, TAPPI T 556 (15 degrees only), Scan P29

[Linkki tuotesivulle](#)
Crush Tester
17-56

The 17-56 Crush Tester is a dedicated instrument for the corrugated industry. The big touch screen display shows you the different test you can perform. There is one big screen with the different test methods like, RCT, ECT, CMT, CCT PAT SQT and FCT. Specially designed for the Corrugated Industry.

Applications: Compression testing, Tensile and compression testing

DIN 53134, 53149, PPITA/AS 1301.429s, FEFCO No. 11, No. 8, No. 6, SCAN P34, P27, P33. P32, P42, ISO 12192, 7263, 3037, 13821, 3035, APPITA/AS 1301.407s, 1301.434s, 1301.430s, 1301.444s, TAPPI T822, T809, T843, T821, T811, T823, T838, T839, T825, T829

Tear Tester
83-20

The Elmendorf Tear tester checks the tear strength of Paper, Films, aluminum foils, and textile or other similar samples. The accuracy is 1% of pendulum weight. A model for the lower ranges with pendulums of 4,000/ 8,000/ 16,000/ 32,000 and 64,000mN or a heavier version with pendulums of 50,000 and 100,000 mN.

Applications: Tear Strength

Tappi T414, APPITA P 400, ASTM D 689, D 1922, D1424, NEN 1760, BS 4468, SCAN P11, UNI 6444, CSA D9, ISO 1974, 6383/2, 13937-1, NF T.54.141, G.07.149, M&S P-29

Linkki tuotesivulle
**Horizontal Tensile Tester**

84-56

The model 84-56 Horizontal Tensile Tester tests the strength and elongation of paper. The instrument has a big platform to sort your samples. When you slide in the sample the sensors recognize the sample and start the test. Centering the sample is easy, special blocks in inches or mm are supplied with the instrument. The instrument can be supplied with a special wettest function.

Applications: Tensile strength, Tensile and compression testing

ISO 12625-4, ISO 12625-5 wettest, TAPPI T 494, AS/NZ 1301.448, BS EN ISO 1924-2½, DIN 53112, SCAN P38, JIS P8113, CPPA D34

[Linkki tuotesivulle](#)

---

**49-56 Micrometer**

49-56

Messmer Büchel model 49-56 digital Micrometer measures the thickness with an accuracy of one Micron. The design is user friendly with a touch screen and solid frame for extra stiffness and accuracy. The micrometer has a sensor in front so it auto starts and stops. Over 50 different micrometers are available.

Applications: Paper, corrugated, cloth, plastic, plastic film, textile fabrics, nonwovens, battery separators, felts, leather, tissue paper and others

ASTM D374, D1777, D5729, D6988, ISO 534, 3034, 4593:1993, 5084, 9073-2, 12625-3, APPITA 1301.426, TAPPI T-411, EDANA 30.4, PAPTAC D.4, DIN 53370, BS 2782-6, WSP 120.1, WSP 120.6

[Linkki tuotesivulle](#)
Short Span Compression Tester
17-36

For the Short Span Compression Tester also known as the S.T.F.I. measures the maximum compression force at 0.4 or 0.7mm. The span accuracy of this instrument is 0.05mm and a result accuracy which is lower than 1% of the reading.

Applications: Compression testing, Hardness/stiffness, Thickness measurement

ISO 9895, TAPPI T-826, DIN 54518, SCAN P46, AS/NZ 1301.4SO RP, BS 7325

Linkki tuotesivulle
Board Testing

Vertical Fluter
75-08

The vertical fluter produces a flute of ½" or 15mm wide in order to perform the CMT and CCT test. There is no maximum length of the flute because full circular wheels are used. These solid wheels also help with heat distribution (up to 200 degrees Celsius). Each wheel temperature can be set separately.

Applications: corrugating of a medium.

Linkki tuotesivulle
Pulp

**Canadian Standard Freeness Tester**
33-23

The Schopper Riegler Beating and Freeness Tester is designed to determine the rate of drainage of a dilute pulp suspension and express it in terms of the Schopper- Riegler (SR) value. The rate of drainage is related to the work done on the fibre during beating and refining.

Applications: Beating, Refining

TAPPI T227, ISO 5267/2, AS/NZ 1301206s, BS 6035 part 2, CPPA C1

[Linkki tuotesivulle](#)

**Schopper Riegler Freeness Tester**
33-29

The Schopper Riegler Beating and Freeness Tester is designed to determine the rate of drainage of a dilute pulp suspension and express it in terms of the Schopper- Riegler (SR) value.

Applications: Beating, Freeness

ISO 5267/1, BS 6035/1, SCAN C19

[Linkki tuotesivulle](#)
Somerville Screen

71-20

The Somerville screen makes sure that no fibre useful for papermaking is left behind in the content. It also ensures that no significant fibre bundles are present in the accepted stock.

Applications: Mechanical Pulp, Chemical Pulp and Stickies screening

TAPPI T 275, SP-98

Linkki tuotesivulle
Sample Preparation

Circular Sample Punch
22-25

Circular Sample Punch cuts paper and board samples. The blade sizes can be ordered, 100cm², 50cm², 10cm². Custom sizes are also available upon request.

Applications: Absorption

ECT Pneumatic Cutter
22-48

This pneumatic cutter is designed for quick, precise and effective cutting of the samples used for ECT tests. It is equipped with single beveled blades according to the Billerud standards.
Rectangular puncher
22-22

Having an accurate cut sample is equally as important as having an accurate instrument. The base of this precision cutter is made of a solid piece of steel. The blades are made of hardened steel giving you a perfect sample.

Applications: Tensile strength, Tensile and compression testing

Linkki tuotesivulle