



PRODUCT GUIDE

PRINTABILITY, GLUABILITY, COATING COLOR MEASUREMENTS (LAB)

- Prediction of **converting quality**: gluability, printability and coating ability of paper/board by **characterization of surface properties** (Surface porosity, surface sizing), using respective testing liquids.
- Measurement of **melamine resin absorption of decorative paper** by using of the *OSB* sample preparation accessory.



PDA.C 02 MST
Module Standard



PDA.C 02 HVL
Module High Viscous Liquids

- Determination of **interaction between paper/board and high-viscous and/or contaminating liquids** (glue, ink, coating color, oil), largely correspondent to their **real interaction**.

- Determination of **coating color to coating base paper interaction** under high shear and pressure impulse by simulation of coating machine.
- Additional: **Characterization of coating base paper and coated paper** (All applications of MST).
- Optional accessories: *CMA* Coating Measurement Accessories and *CDA02*, *CDM02* or *CCM* Coating Color Preparation System.



PDA.C 02 MSC
Module Standard Coating



EST12
Surface and Sizing Tester

Similar application like the PDA.C 02 Module Standard:

- **Characterization of surface properties** of paper & board.
- **Prediction of converting quality**.
- **Easy, portable, low budget device**: useful for application engineers of chemical suppliers, QA in paper production.

MINERAL FILLER MEASUREMENTS (LAB)

To quickly and accurately determine the **filler and pigment content** of paper and board.

- New: **content of all individual components** in percent.
- Replacement of traditional combustion method.
- Fast availability of testing results.
- Extremely timesaving compared to combustion method (20 s / test).
- Non-destructive method.
- Optimization of retention.
- Calibration of online sensors.



ACA
Ash Content Analyzer

NEW !

SOFTNESS / HANDFEEL OF TISSUE, NONWOVEN & FABRICS (LAB)



TSA
Tissue Softness Analyzer

- Replacement of **subjective hand panel test**, measuring results in very good correlation to subjective feeling.
- Extreme **increase of efficiency in process optimization** in tissue production and converting.
- High accuracy, good reproducibility.
- **Separate assessment** of basic parameters of hand feeling (**softness, smoothness, stiffness**)
- Nonwoven and fabrics can also be measured.

DEPOSIT MONITORING IN WATER CIRCUITS (ONLINE)



For the measurement of **biofouling, organic deposits, and films** in paper machines, power plants.

DCS
Deposit Control System

DIMENSION STABILITY (LAB)

Measurement of the **dynamics of wet stretching of paper** under one-sided liquid contact

- **Decorative paper, Newsprint paper, Ink jet paper, Label paper, Wall paper, Coating base paper, Liner board.**



DSS Module WSD02
Wet Stretch Dynamics Analyzer



DSS Module HSA
Heat Shrinkage Analyzer

Measurement of the **shrinkage of paper or OPP film**, in contact with a temperature controlled hot metal plate:

- **Curling tendency** for corrugated board.
- **Runnability** of paper in a **Laser printing machine, a copy machine.**
- Shrink properties of OPP film in packaging process: **cigarette boxes, perfume boxes.**
- Special paper applications, for example to measure the dimension stability after drying or fixing of ink in **roll offset.**

WET-END MEASUREMENT (LAB & ONLINE)

Effective **Fiber Zeta Potential measurement.**

Determining the **optimal reaction of chemicals with fibers:**

- For **optimal consumption of chemicals.**
- For **guarantee of target properties** of finished products.
- Easy to handle.



FPA touch!
Fiber Zeta Potential Analyzer



CAS touch!
Charge Analyzing System

Twin System

Efficient **particle charge measurement.**

Determining the **optimal amount of additives** and selecting the appropriate additives:

- Extremely useful for **wet-end process optimization.**
- **Reducing the consumption of chemicals.**
- Optional *one* or *two* titration pumps or *hand* titration.
- Many useful functions: **dynamic titration, reverive titration.**

For an **online measurement** of the fiber zeta potential in paper and board machines.

- **Reliable, accurate, and robust.**



FPO
Fiber Zeta Potential Analyzer Online

NEW !



DFA
Dynamic Filtration Analyzer

To quickly and accurately determine the **influence of chemicals on filtration properties** by automatic analysis of drainage and retention of fiber suspensions.