

OUR SERVICES AT A GLANCE

- » Instruments and systems assuring the quality of sorting processes and incoming raw materials
 - PFR monitoring
 - PaperBaleSensor
 - Balemat
- » Assessing the recyclability and deinkability of paper and packaging
- » Migration studies, e.g.
 - Mineral oils
 - Plasticizers
 - Printing ink components
- » Barrier development in the laboratory and on pilot scale
- » Consultancy and studies
- » Continuing education and training
- » Coordination of the industry platform „Food packaging“



YOUR BENEFITS

- » Papiertechnische Stiftung is an independent, neutral institute that guarantees strict confidentiality.
- » We carry out pre-competitive research projects to provide companies, associations and investors with a sound basis for decision-making and to highlight possible solutions.
- » For studies and consultancy, we are in direct contact with all partners of the respective value chain.
- » Our measuring and testing services include accredited methods as well as problem-specific analyses and evaluations.
- » Our VESTRA pilot coater and pulp & paper pilot plants make it possible to quickly and reliably test new concepts or ideas and derive recommendations for action for your customers.

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» FIBRES AND COMPOSITES / » PACKAGING AND CONFORMITY / » PRINT AND FUNCTIONAL SURFACES / » INNOVATIVE MEASURING / » MATERIAL TESTING AND ANALYTICS

**PAPER FOR RECYCLING –
AN IMPORTANT RESOURCE**
ASSURING THE QUALITY OF PAPER PRODUCTION AND
PROTECTING THE CONSUMER

PAPER FOR RECYCLING - ASSURING THE QUALITY OF PAPER PRODUCTION AND PROTECTING THE CONSUMER

ASSURING THE QUALITY OF PAPER FOR RECYCLING

INSTRUMENTS AND PRODUCTS

- » PFR Monitoring: evaluation of loose PFR on the infeed belt
- » PaperBaleSensor: portable device for the PFR stockyard
- » Balemat: automated incoming inspection system to optimally evaluate the quality of PFR ,
- » determines the shares of:
 - ash, plastics, mechanical pulp, moisture
 - papers with different coatings and prints (flexography, UV, varnish)
 - sorted graphics for deinking and packaging papers as well as the relationship between newspapers/magazines

ANALYTICS AND RECYCLABILITY

- » Monitoring of stickies and process analyses
- » Recyclability evaluation based on INGEDE and PTS methods
- » Characterising the conformity with standard grades according to EN643
- » Practically relevant evaluation of recycling behaviour and disturbing potential on pilot scale

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CONSUMER PROTECTION AND FOOD SAFETY

BARRIER DEVELOPMENT

- » Developing barriers to avoid migration of unwanted ingredients
- » Preparing and testing samples in the laboratory and on pilot scale

ANALYTICAL TESTS

- » Detecting unwanted ingredients like mineral oil, phthalates, DIPN etc. in paper, paperboard and board.
- » Testing the migration of ingredients like mineral oils from paper and paperboard with food simulants (Tenax migration and other solvents)
- » Barrier tests

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CONSULTANCY AND CONTINUING EDUCATION

CONSULTANCY AND STUDIES ON

- » Raw material quantities and availability
- » Improving the performance of PFR management
- » Quality evaluation of PFR circuits with simulation models developed by PTS
- » Sorting behaviour and paper-technological potential of PFR

CONTINUING EDUCATION AND TRAINING EVENTS IN 2017

Each year, PTS organises several training events on topics related to PFR, e.g. paper and board packaging for food contact, ensuring recycling through innovative technologies and utilisation concepts, selecting and evaluating PFR or the PTS Deinking Symposium. For this year's programme, please visit www.ptspaper.com/events.

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Continuing education

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