# Papiertechnische Stiftung: Our core competences

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<tbody>
<tr>
<td>Efficient paper production</td>
<td>Coated barriers</td>
<td>Functionalisation of web-shaped materials</td>
<td>Measurement technology for process control in laboratories and industry</td>
<td>Testing services for paper, paperboard and board</td>
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<td>Development of semi-finished products and bio composites</td>
<td>Packaging with novel functions</td>
<td>Optimisation of printability and runnability</td>
<td>Innovative sensor applications for online monitoring</td>
<td>Avoiding complaints</td>
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<td>Quality assurance in the use of paper for recycling</td>
<td>Contactless manufacturing techniques</td>
<td>Surface evaluation</td>
<td>Integrating measurement technology in corporate data systems</td>
<td>Assessing the product performance</td>
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Fibres & Composites

Customer benefits

Technology consultancy
Developing new markets

Cost savings
Enhancing process efficiency

Material development
Improving added value

New materials
Production of organic sheeting from inorganic and synthetic fibres intended to supplement established products (paper technology platform)

Paper in combination with other materials
Function-integrated lightweight construction, paper-sheet metal composite, honeycomb structures, etc.

Control of paper properties, fibre modification
Production of combinations of entirely bio-based materials (reactive extrusion platform)

Cavitation
Utilisation of acoustic and hydrodynamic cavitation for stock preparation and cleaning
Pulp and paper pilot plants: Unique test equipment and experience

Use our pilot plant facilities for practice-oriented and innovative developments of new products and processes – from plain applications up to high performance fibre composites.

- Development of innovative fibre composites
- Practically relevant quality evaluation of pulps
- Development and testing of new technologies for pulp upgrading
- Material- and quality optimisation (fibres/fillers/process chemicals)
- Development of new paper qualities and sample production for application studies

Production of paper and non-woven in kg scale
Your contact

Anatoli Davydov
Assistant to the Executive Board
Fon: +49 (0) 89 / 12146 – 493
mobile: +49 176 12146 - 387
Fax: +49 (0) 89 / 12146 - 36
E-Mail: anatoli.davydov@ptspaper.de

Papiertechnische Stiftung
Heßstraße 134, D-80797 München