

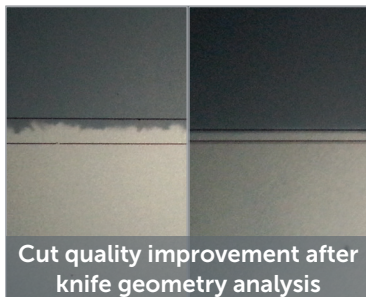
In-House Cutting Trials for Web-Based Materials

Cutting Trials

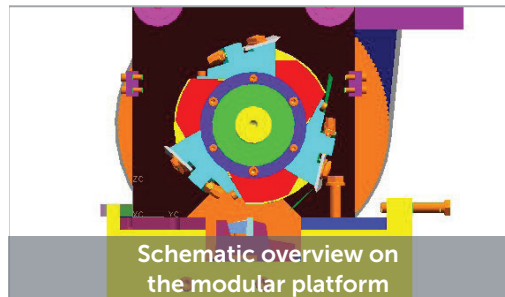
Benefits:

- Simulation of customer's cross-cutter geometry which is the basis for examining cut-relating quality issues and improvements
- Flexible and scientific test series
- Cutting trials can be executed outside the actual production
- Statistical and optical evaluation of the results

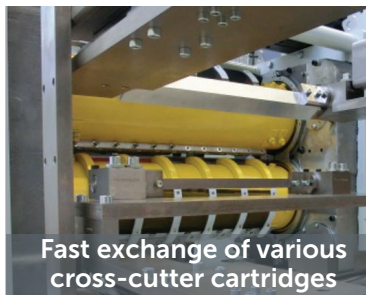
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| Obsolescence | <input type="text"/> |
| Quality | <input type="text"/> |
| Cost Reduction | <input type="text"/> |
| Performance | <input type="text"/> |
| Maintenance | <input type="text"/> |



Cut quality improvement after knife geometry analysis



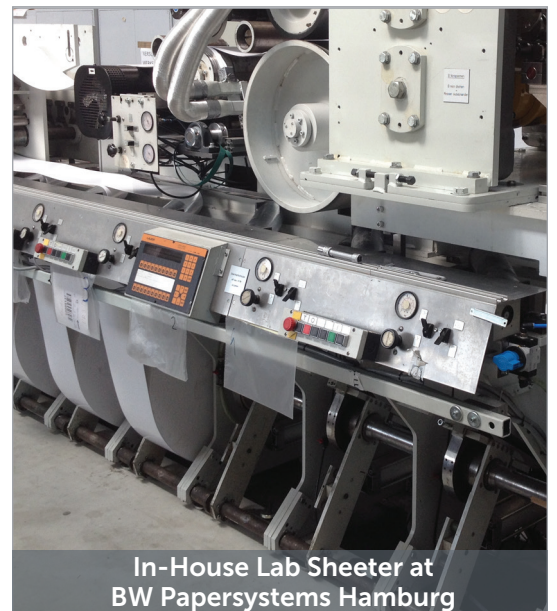
Schematic overview on the modular platform



Fast exchange of various cross-cutter cartridges



High-Speed Camera for professional analysis



In-House Lab Sheeter at BW Papersystems Hamburg

In-House Cutting Trials for Web-Based Materials

Machine Model for Improvement: All web-based converting applications

Description of Improvement:

The in-house Lab Sheeter is part of the R&D equipment at BW Papersystems and is especially designed to execute professional cutting trials for any kind of web-based test material. Whenever a customer experiences issues with cut quality or would like to test a new substrate for his production process, BW Papersystems can perform the required cutting trials.

The experienced R&D team has all the expertise in analysing the required knife geometry as prerequisite to improve the cut quality of the respective material. With cutting trials we reproduce occurring issues, being the basis for improvements of the knife geometry.

Due to the high flexibility of the Lab Sheeter, several cross-cutter cartridges with any type of knives, and conventional cross-cutters with fixed knives, can be tested. The cut quality can be analyzed according to XEROX or customer's individual standard. The customer does not need to interrupt his production in order to perform cutting trials. The required amount of test material is very low as the BW Papersystems Lab Sheeter runs with a reel width of 230mm which can represent any working width of the individual sheeter.

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Note:

The following cut-related quality issues can be improved:

- Cut edge quality
- Welding of cutting edges
- Solid fibre bump cut
- Angel hair
- Fuzz occurrence
- Delamination
- Product flow issues
- Test of additional paper webs

Scope of Supply:

- Preparation of test runs
- Necessary engineering
- Knife geometry analysis
- All required knives
- Quality analysis according to XEROX or customer's standard, optional with high-speed camera views
- Documentation of test results
- Optional live demonstration for the customer
- Cutting samples
- Training (e.g.; knife adjustments)
- Statistical and optical evaluation of the results

How can we help you? Please do not hesitate to contact us for any questions regarding our comprehensive Customer Service offerings:

TIPs/Upgrades:

- tips.hamburg@bwpapersystems.com
- tips.sheboygan@bwpapersystems.com

Spare Parts:

- spares.hamburg@bwpapersystems.com
- spares.sheboygan@bwpapersystems.com

Service Requests:

- service.hamburg@bwpapersystems.com
- service.sheboygan@bwpapersystems.com

Technical Problems:

- helpdesk.hamburg@bwpapersystems.com
- helpdesk.sheboygan@bwpapersystems.com

In case of emergency please contact our hotline 24 hours a day:

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NORTH AMERICA: +1 920 458 2500

(+1 888 310 1898 toll-free, US only)

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12/2016