

## FACILITY PILOT

*From lab to pilot scale on our paper machine*



Paper is produced daily in Heelsum, but we also offer our customers full access to our facilities for performing such pilot productions. Our paper machine is one of the smallest and most flexible paper machines on industrial scale, and therefore is ideal for use as a pilot facility. Not only our paper machine with all its technological options, but also our people and laboratory are at your service!

### Unique pilot testing opportunities



Being a producer ourselves, we know like no other that innovation and development are vital for the continuity of any business. Upscaling from lab to commercial scale comes with certain financial and/or technological risks that are typically reduced by pilot-testing on small industrial scale before moving to full industrial scale. As it's becoming quite difficult however to find pilot facilities that are representative of industrial-scale paper machines, this is not always easy. But we are here to help!



As a small producer of a wide variety of high-quality papers, we both have the knowledge and experience with paper production as well as the production facilities to assist you with any pilot-project. Not just our paper machine, but also our coater, cutting department, lab facilities and our team of well-educated engineers are at your service to test new product formulations, optimize process settings or perform feasibility studies on small-industrial scale. Of course, all pilots are carried out under full confidentiality.

### About our paper machine



With a net. width of 1.98 m, a speed of 15-120 m/min and an output of 500-1750 kg/h, our fourdrinier-type paper machine is one of the smallest in its kind. Our stock preparation is laid out for the use of virgin fibres (3 refiners, 14-65 °SR) as well as synthetic (security) fibers and alternative fibres in batches as small as 500 kgs and our paper machine is able to produce paper in the range of 60-700 g/m<sup>2</sup>. This enables testing with various types of feedstocks and paper grades.

Unique to our paper machine are its good formation ratio (CD/MD 85%) and its many options in terms of surface treatment: watermarking, felt marking, surface sizing, coating and calendering are all possible. Equipped with modern measurement and control systems, including a colour scanner and an inline web inspection system and various dosage options for e.g. chemicals and colourants, changes can be made quickly and are instantly visible. As a result thereof, we are able to maximise the output of your pilot while minimising costs, material losses and overall efforts.

**For more information:**

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