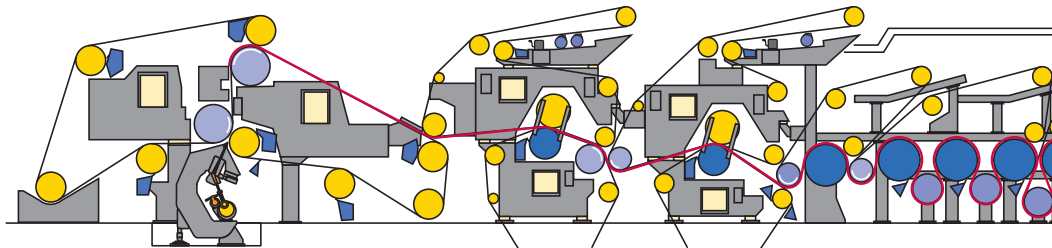


Hürth PM 1 – The most cost-effective production line for standard newsprint



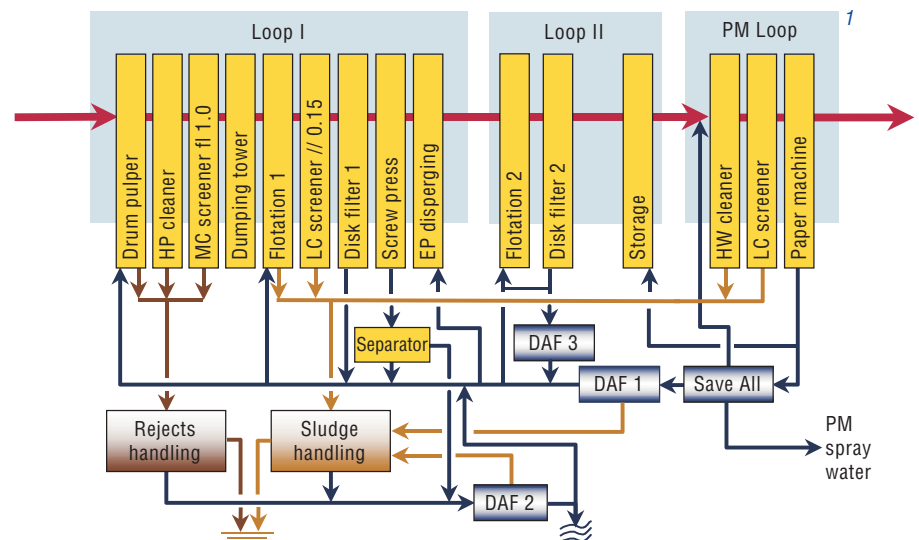
The author:
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Paper Machines Graphic

At the beginning of March 2001 – only 18 months after starting up PM 5 at the 100 % Myllykoski subsidiary Lang Papier in Ettringen – Myllykoski again decided for Voith Paper. This time as supplier of the new production line for newsprint at the Hürth mill near Cologne.

months later on August 1, 2002, the new line built on the “One Platform Concept” has to start producing standard newsprint from 100 % recovered paper.

The overall investment budget of 280 million Euro for this new production line includes not only the paper machine, buildings and infrastructures, but also the complete stock preparation line as shown in Fig. 1. The scope of supply covers a new pulping and screening drum concept with a feeding system supplied by B+G, hole and slotted screening, pre-flotation and afterflotation, dispersing,

The Myllykoski project team finalized their specification for the stock preparation and paper machine lines in a very short time: from mid-December 2000 to the end of February 2001. Only 16



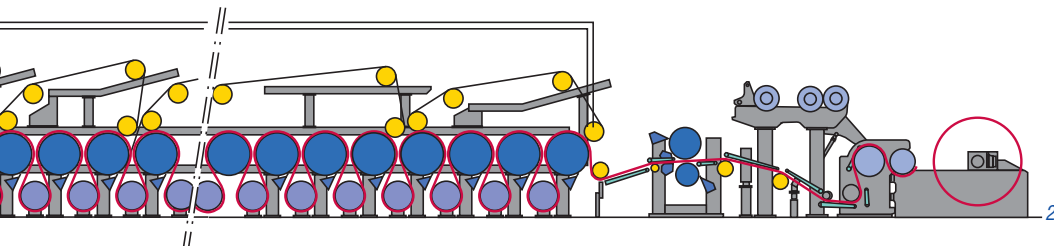


Fig. 1: Deinking line, 2-loop system.

Fig. 2: Layout of Hürth PM 1.

Fig. 3: The contract signing ceremony (from left to right): Harry Hackl, Dr. Hans-Peter Sollinger, Thomas Nysten, Managing Director Myllykoski Continental, and Bernhard Ludwig, Managing Director Lang Utzenstorf.



Decisive for the award of this contract was not only Voith Paper's outstanding system competence, but in particular the experience with newsprint production from 100 % recovered paper.

The concept for this new line was drawn up to meet the following requirements: budget compliance without sacrificing quality or existing standards; full integration of feedback and findings from previous projects for optimal copying effect with additional plant components; the concept must take full account of market requirements on standard newsprint over the next ten years.

By using well-proven components, systems and process stages, the shortest possible commissioning time should be ensured and the design production output reached as quickly as possible. The goal agreed between Voith Paper and Myllykoski for Hürth PM 1 is to attain the world's best start-up curve for this kind of line.

and the entire stock/water loop system including rejects handling. Our joint venture partner Meri is supplying the water/rejects handling systems, while the dewatering machinery is supplied by our licensee Andritz as consortial partner. In addition to the paper machine Voith Paper is also supplying the quality control system, sheet inspection and tear-off analysis system, and all local controls.

The Hürth location was chosen for various reasons: power, steam and water are provided here from a local power station,

plenty of recovered paper is available as raw material, and the end customers are not far away.

Hürth PM 1 comprises a ModuleJet head-box, DuoFormer TQv, Tandem NipcoFlex press, TopDuoRun dryer section, single soft-nip Calender and Sirius. Since the introduction of this concept, the new paper machine already incorporates the eighth Tandem NipcoFlex press and the fifth DuoFormer TQv – thus making it the seventh line in only two years to be built on the "One Platform Concept".