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Press release
April 7, 2009

Voith Paper: Perlen Papier AG, Switzerland, placed a major order for the delivery of a newsprint production line with Voith Paper on January 26, 2009.

Perlen Papier AG Orders Complete Newsprint Production Line

Perlen Papier AG, Switzerland, placed a major order for the delivery of a newsprint production line with Voith Paper on January 26, 2009.

The PM 7 overall system is laid out for the production of 360,000 metric tons per year (MTPY) of newsprint in a basis weight range of 40 - 55 g/m². Having a wire width of 10,450 mm, the paper machine has been designed for a maximum production speed of 2,000 m/min. PM 7 will produce standard and upgraded newsprint of the highest quality.

The aim of this new overall system is to replace the existing PM 5 with its capacity of 130,000 MTPY with a new high-efficiency production line. Integrating the new line into the existing infrastructure had been a particular challenge. Thanks to a feasibility study, it was possible to solve this challenge successfully.

Apart from Voith's excellent references, the technological overall concept with special focus on the resource-conserving aspect in the various sectors of the paper production process had been the main reason why Voith has received the order. This overall system concept results in a significantly lower energy consumption compared to other production lines.

To supplement the existing recovered paper preparation system, Voith will supply a new stock preparation line with a capacity of 700 MTPD (metric tons per day). The well proven TwinDrum pulper with a capacity of more than 1,400 MTPD will feed both lines to meet the special demands of reliably slushing recovered paper bundles, which are very common in Switzerland.

It is followed by a two-stage flotation system, screening and dispersing machines, as well as machines for dewatering and bleaching. The complete feeding system of the pulper with automatic de-wiring and rejects and sludge disposal is also included in the scope of supply.

The Voith Advanced Wet End Process comprises, among other things, ComMix, HydroMix, VoithVac, EcoMizer cleaner, screening with MultiScreen, CompactPulper, the broke system, as well as fiber recovery with a bagless disk filter.

The paper machine concept has been designed according to Voith's proven One Platform Concept. Excellent formation is ensured by the DuoFormer TQv, a vertical former, together with a ModuleJet headbox with dilution water control, the most widely used headbox in the entire paper industry. The DuoCentri NipcoFlex press and the fourth press ensure maximum dryness and best paper quality.

The advanced TopDuoRun drying technology will also be used in PM 7.

Non-contact tail transfer from the last dryer in combination with proven vacuum technology and high-pressure water-jet tailcutter ensure optimum tail threading.

The base paper is smoothed with two EcoSoft Delta calenders. With the Sirius reel for maximum roll diameters of 4,000 mm, a trend-setting winding technology is used. The moving SensoRoll introduces a center torque from the beginning of winding till the end, thus ensuring excellent roll quality. This is also supported by the RollMaster, an ultramodern online roll hardness control system with extended diagnostic functions.

For finishing, two modern VariTop winders have been ordered from Voith. The VariTop with unwind, automatic slitter positioning and automatic finished roll changes can produce large rolls with different core materials. After that, the finished rolls are wrapped on a ClassicPlus wrapping system and conveyed to the finished roll store with a new roll transport system.

Perlen Paper Mill also decided to order a comprehensive automation package with key components from Voith. In this case, the proven OnControl machine control and process control technology for the complete process, including stock preparation, paper machine, effluent treatment system and ancillary systems, are used. The integration of the complete drive control into the process control system with the OnC DriveCommand must be emphasized in particular. It includes all OnQ CD and MD profile controls and the OnQ quality measuring systems.

In addition, Voith will supply the entire first clothing, as well as the roll covers, including SkyLine doctors.

Apart from that, Voith assumes overall responsibility for the production process with regard to the mechanical, process technology and control systems according to the Process Line Package (PLP) principle. This means that Voith will supply not only the detail engineering for the overall system, but also all ancillary systems in production buildings, such as electrical engineering, piping, chests and tanks, crane systems and vacuum system. This includes all connecting pipes between the new system components and the existing infrastructure.

Voith Environmental Solutions will also engineer and supply the components for an extension of the effluent treatment system. In close cooperation with the process engineers, a water management plan will be prepared for the overall system.

This order placement has shown again that the PLP concept is well established on the market, ensuring optimum project handling for the customer.

The start-up of PM 7 is scheduled for autumn 2010.

Perlen Papier AG was founded in 1872 and is the only producer of magazine papers in Switzerland. After the start-up of PM 7, Perlen will be the largest producer of newsprint. The independent family-owned company of the CPH Group has more than

400 employees and had a turnover of CHF 278 million in 2007.

Voith Paper is a Division of the Voith Group and a leading partner and pioneer to the paper industry. Thanks to continuous innovation, Voith Paper improves the paper production process with the focus being on the development of resource-conserving products to reduce the consumption of energy, water and fiber stock.

Voith was founded in January 1, 1867 and has set new standards in the fields of paper, energy, mobility and service. With annual sales of EUR 4.9 billion, 43,000 employees and more than 270 locations worldwide, Voith is one of the large family-owned companies in Europe.

Voith is an official partner in the "Germany - Land of Ideas" initiative.



The contract ceremony in Perlen,
(from left to right):

Hans Peter Holl
Managing Director, Voith Paper Heidenheim

Bernhard Stützle
Technical Sales, Voith Paper Heidenheim

Frank R. Ruepp
CEO, Perlen Papier AG

Kurt F. Brandauer
Managing Director, Voith Paper Heidenheim

Hans Schaller
Group Head, CPH Chemie + Papier Holding AG

Johannes Rimpf
Project Manager, Voith Paper Heidenheim

Franz Graf
Project Manager, Perlen Papier AG

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