

Press release

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Voith's expertise: Guangxi BM 1 produces 1,200,000 metric tons of high-quality ivory board

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In the Chinese province of Guangxi, Asia Pulp & Paper produces high-quality ivory board made of 100% virgin fibers on the BM 1 supplied by Voith. The machine went into operation at the beginning of 2013 and produces since then highest quality board. The production line delivered by Voith is the highest performing board machine for ivory board worldwide, with a wire width of 8,750 mm, a design speed of 1,400 m/min and an annual production capacity of 1,200,000 metric tons.

Taking into account the very high requirements for board quality, Voith delivered the entire production line – from the wet end process to the winder. The Guangxi BM 1 is based on proven components and products that have been successfully used many times. This provides the paper maker with a high level of investment security. With this production line, Voith delivered everything from a single source and thus assumed responsibility for the entire process.

The three-layer former concept with the newly developed DuoFormer D II provides for an optimal dewatering capacity and production speed. In the press section, the triple NipcoFlex press allows the highest dry content and thus low energy use. In addition, an excellent level of smoothness with a closed web run and thus extremely good runability are achieved by this press concept.

The outstanding surface quality and printability of the ivory board produced on the Guangxi BM 1 is essentially determined by pre-calendering of the unprocessed board before the coating machine. The innovative concept with the EcoCal Plus calender combines for the first time worldwide an oil-heated hard nip calender with an external induction heating system and an upstream nozzle moisturizer. The results are significant savings of raw

materials. Very good surface quality is achieved by the use of DynaCoat AT coating units.

An EcoSoft Delta calender with two soft nips on the printed side is used before the reel for the first time so as to ensure a very uniform surface quality and improved board gloss. Then the board is wound in a gentle and controlled manner with the Sirius and processed with the VariFlex winder into paper rolls. Also included in Voith's delivery were the chemical preparation, automation of the entire process and the system engineering.

The Guangxi BM 1 produces high-quality packaging paper which is suitable for all current printing processes such as flexographic, offset or rotogravure in a basis weight range of 180-350 g/m². The primary areas of use for the board are high-quality folded boxes for cosmetics and luxury items for the Asian market.

Asia Pulp and Paper (APP) is a subsidiary of the Sinar Mas Group, one of the largest conglomerates in Indonesia. The company, which was founded in 1994, produces paper and pulp in Indonesia, China and India. The headquarters of APP is located in Indonesia. The company's products are sold in more than 65 countries worldwide.

Further information is available on the Voith website at www.voith.com/paper. Voith Paper is also on [Twitter](#) and [YouTube](#).

Voith Paper is a division of the Voith Group and the leading partner to and pioneer in the paper industry. Through constant innovations, Voith Paper is optimizing the paper manufacturing process, focusing on developing resource-saving products to reduce the use of energy, water, and fibers. Furthermore, Voith Paper offers a broad service portfolio for all sections of the paper manufacturing process.

Voith sets standards in the markets energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, Voith employs more than 43,000 people, generates € 5.7 billion in sales, operates in about 50 countries around the world and is today one of the biggest family-owned companies in Europe.

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