



Khanna Paper joins the top ten paper producers in India



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Not far away from the magnificent Golden Temple (Fig. 1) in the city of Amritsar (Punjab), the unassuming Chairman of Khanna Paper Mills, B. M. Khanna, runs a highly successful operation, supported by his two sons Rahul and Saurabh. The start-up in March 2002 of a new Voith 200 t/24 h deinking plant, the largest to-date in India, has firmly put the mill up among the top ten in paper production in India.

From a very modest 500 kg/24h of board in 1964, Khanna today produces around 300 t/24 h of both board and writing and printing papers. With the new installation, Khanna has also become the first paper mill in India to produce their high quality writings and printings from 100 % deinked woodfree recovered paper.

Designed according to the latest state of the art technology and automation, the deinking plant comprises the following main process equipment:

- High consistency pulping, followed by high density cleaning and hole screening.
- EcoCell pre- and post-flotation for efficient ink removal (Fig. 2).
- Fine cleaning with the new generation of EcoMizer cleaners and fine screening with narrow slot widths of 0.15 mm, using proven C-bar baskets.
- The desired high final stock brightness is ensured by peroxide bleaching in the recently developed EcoReact HC bleaching tower as well as by hydro-sulfite bleaching.

The whole stock preparation plant is controlled by only one plant operator using a DCS system.

The project was carried out in close cooperation between Khanna Paper, Voith Paper Fiber Systems in Ravensburg, Germany and Voith Paper Technology (India), based in Calcutta. The latter is a joint venture between Voith and Larsen & Toubro.

200 t/24 h deinking plant catapults the mill into the big league

“In Voith Paper we have found a trustworthy, competent and reliable partner for the present and future projects.”

Saurabh Khanna, Technical Director,
Khanna Paper Mills.

