

The textile industry in Dhaka, Bangladesh saves USD three million annually with Koerting technology



Sustainability now plays a pivotal role in many companies' operations. Koerting Hannover AG spotted this trend several decades ago. As well as offering sustainable solutions in the production process, Koerting caustic recovery plants promise huge savings too. Zaber & Zubair Fabrics, a member of the Noman Group from Bangladesh, benefits directly by saving USD three million in running costs per plant annually. An excellent example of efficiency and sustainability combined.



Caustic recovery plant in Dhaka, Bangladesh

Chairman Mr. Nurul Islam

Koerting engineers started work for Zabar & Zubair Fabrics over five years ago, liaising closely with Bengal Technology and Engineering Associates (BTE) from Bangladesh. The hard work between Dhaka and Hanover paid off and culminated in the commissioning of the first caustic recovery plant in August 2010. The planned output of 23,000 litres of weak lye per hour was achieved easily. Because the plant is so reliable, Koerting technology also helps the environment. The lye used in Dhaka is kind to the eco-system and saves costs of up to USD three million per plant each

year. Therefore, there were plenty of reasons in favour of ordering another Koerting caustic recovery plant. This plant was commissioned in April 2014 and is also excelling on performance. The Chairman of the factory, Mr. Nurul Islam, is delighted with the Koerting plant's reliability: "We're one of the world's biggest producers in the home-textiles sector. State-of-the art technology helps us to organise production processes effectively. Thanks to the Koerting caustic recovery plants, we can produce more sustainably and cut the costs to our customers on a permanent basis".

Decades of experience

Koerting Hannover AG has been producing caustic recovery plants since 1956. Almost 60 years' experience in designing, manufacturing and commissioning the plants underline the company's expertise in the field. The plants can recover up to 95% of the weak lye collected. As a result, they make a valuable contribution to the production of textiles, save costs and are kind to the environment. Each plant is custom-designed and therefore unique. They operate smoothly and extremely reliably and fulfil the Koerting engineers' aim to supply German-made quality. Koerting's goal was to offer the textile industry an increase in sustainability in the mercerisation process and to reduce costs.

More sustainability in mercerisation

The current development in the textile industry shows that with its evaporation plants Koerting has its finger on the pulse. Industrialised countries are demanding more and more sustainability from exporting manufacturing countries. Environmental regulations and standards are also being raised across the world. For many textile producers the time has come to set themselves apart from the competition by offering

sustainable production processes. "How can we claim to be sustainable if we don't cut lye consumption by 85%? Our caustic recovery plants are the perfect solution to the problem", comments engineer Karl Hesse, in charge of caustic recovery plants at Koerting Hannover AG. The mercerisation process generates large quantities of caustic soda. Due to Koerting evaporation plants it's possible to recover a lot of this weak lye. Virtually no waste water from the mercerisation machine is produced and the company operating the machine benefits from substantially lower running costs.

Koerting to exhibit at DTG 2015

This year Bangladesh textile companies will be meeting up at one of the country's most important trade shows. The industry will be gathering at DTG 2015 from 4 to 7 February. Koerting Hannover AG will also be showcasing its caustic recovery plants at the Dhaka Textile & Garment Machinery Exhibition. Plant operators will be able to find all important information on how to cut lye consumption and save costs on Hall 2, Stand no. 201. Karl Hesse will be there personally as a professional point of contact.

At a glance

Type of plant	caustic recovery/evaporation plant
Output	23,000 litres of weak lye per hour recovery of up to 95% of the weak lye generated
Savings potential	3 million USD annually per plant
Return on investment	within three to six months



Control panel of a caustic recovery plant



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