

THE GREEN GUIDE

TO ITMA 2019
Barcelona



Environmental textile technology

MCL
NEWS & MEDIA

Visit us at
Hall 3
Booth C102

Nano-Dye

Hall 2, Stand A104

A disruptive, patent pending and new type of cationic textile dyeing will feature at ITMA and at Planet Textiles (CC5 above Hall 3), in Barcelona when Nano-Dye introduces a cotton fabric dyeing process that is said to 'advance exhaust dyeing into the next millennium.' Quite a claim.

Under development over the past five years, the technology is now being scaled up at mills in Bangladesh and is said to remove the use of salt entirely from cotton exhaust dye jets with high exhaustion rates of up to 99 per cent of dyestuff (eliminating solid waste), use up to 75 per cent less

water and 90 per cent less energy while yielding greater lot-to-lot shade reproducibility.

Additionally, says Nano-Dye, the reduction of the pollution in the effluent makes zero discharge water treatment plants economical to run.

The system requires just one "drop-in" pre-treatment step to the greige goods straight from knitting and a modification of the exhaust dye jet cycle, increasing output and lowering overall dyeing costs. The resulting fabric has a colour that is cleaner in tone, has a softer hand, normal odour and increases colorfastness, claims the company.

The company is already working with Esquire Knit Composites in Bangladesh.

It is also working with Navis-Tubetex which is supplying some of the technology for dyeing the knitted fabrics. Readers should look out for this booth at the show.