

# Dyeing innovations promote efficiency

**T**ecnorama is launching two innovations for the textile dyeing process at ITMA. First is the Shakerama automatic dyeing machine, said to be particularly suitable for knit fabric made from different kinds of fibres, natural and synthetic.

Shakerama is designed to work with groups of autoclaves carrying out dyeing cycles with different recipes simultaneously, but using the same dyeing programme, up to 142°C. The cooling system, working through a forced circulation of cold water, can bring the temperature down to around 30°C.

The heating system is said to offer temperature uniformity and regularity for all dyeing units.

Shakerama, on display in Hall 14 at Stand B113, has been devised to form part of the company's Dos&Dye system. The creation of Shakerama marks the final element, introducing a new type of dyeing system with the "shaking" of the liquor and the textile material at the same time, similar to the working concept of the jet and jet-flow dyeing machines used in bulk, according to Tecnorama.

The second innovation is an instrument for analysis of wastewater quality during the dyeing process called Ecodyerama.

Ecodyerama can be applied to all existing dyeing machines. It is suitable for any type of fibre and/or form of textile material and can monitor any type of dyeing technique, according to Tecnorama.

Small quantities of wash water are continuously taken by the Ecodyerama system from the dyeing machine and carefully analysed before being returned.

Water quality is analysed by means of a special optical instrument capable of ascertaining the presence of minimum quantities of dyestuff still present in the wash water (RGB technology).

The analytical data are transmitted to the system used to manage the dyeing

machines, which, depending on the information given by Ecodyerama, will decide whether to proceed with another washing process or to terminate the dyeing process, as the wastewater is sufficiently clean.

With Ecodyerama it is possible to know in an automated and scientific way, when the dyeing process is complete, enabling water to be saved through avoiding additional washes, said the company.

Tecnorama also has a section of its stand dedicated to bulk dispensing systems. It is presenting the MV-MVP chemical dispensing system. The minimum dispensing for the MVP head is 5cc, with an accuracy of 2%.

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