



Logic Art LA658



Dosorama HS from Tecnorama

High Speed Innovation

Tecnorama, a manufacturer of machinery for the dispersing of liquid and solid dyestuffs, has launched its first fully automated lab dosing machine with the capability to carry out over 200 complete recipes in one hour. The Dosorama HS represents a significant increase in productivity compared with the 25–30 recipe capacity of many competitors.

According to the manufacturer, the Dosorama HS is ten times faster than the maximum productivity of dispensing machines currently available on the market. The machine's speed is attributed to its new Multi Jet High Speed Technology (MJHST) dosing system, which can simultaneously dispense all the components of a dye recipe at an accuracy of +/- 0.003g.

The efficiency of the Dosorama HS is said to simplify lab organisation and require less human labour to complete a task.

Reproducibility Solutions

The Lab Monitor Data series, developed by Italian textile-machinery manufacturer Nosedà, aims to solve the problem of reproducing the conditions of sample dyeing of fabrics and yarns in the dyehouse.

Nosedà offers a wide range of machines for the dyeing of woven and knitted fabrics, weighing 1kg to 50kg, using beam, jet and rotary drum technologies. The range of beam machines includes manual, semi and fully automatic winding machines.

To ensure reproducibility, Nosedà's beam winders feature automatic control systems

that enable the user to tune the winding and dyeing conditions to match those of the production machines.

The Lab Monitor Data series also includes Nosedà's air pressurised yarn sample dyeing machines, in which water volume in the pipeline and pump is kept constant to ensure the liquor ratio remains consistent.

Ecological, Economical

According to garment-finishing technologist Tonello, its Jet System EcoDyeing technology is the only sample-garment machine on the market capable of reproducing industrial dyeing results. The G1 70 range has been designed to meet the identical specifications of the production machine, including using the same liquor ratio and mechanical action.

The Tonello G1 70 machine is recommended for the sampling of various dyeing processes. The basic machine in the range has an electric, fixed rotation speed system, allowing for semi-automatic control of washing processes.

The machines have the capacity to run on high mechanical action processes, suitable for an enzyme wash, or very low mechanical action processes, specifically for delicate and micro-fibre garments.

All machines in the G1 70 line have a cylinder diameter of 1,323mm and are able to work on as little as 15

litres of water. This reduced minimum load maintains a consistent liquor ratio, kept at a low level of 1:2 for a wet garment.

The entire Tonello G1 70 range of automatic laboratory dyeing machines features a colour library with optimised and controlled dosing of dyestuffs and chemicals, as well as indirect heating and cooling. The machine also includes an onboard facility to check pH, conductivity and oxidation reduction. ID



G1 70 LJ1 by Tonello