

# Benninger AG presented Swiss engineered sustainable and long lasting quality solutions

Benninger highlighted TRIKOFLEX drum washing compartment and a Küsters DyePad - two key components of its customized processing solutions.

The main technology driver for Benninger was to come up with smart solutions to save limited resources such as water and energy as sustainability is becoming a more and more important cost factor for the textile industry in future.

Benninger has developed and implemented a continuous open width finishing process that – in addition to quality benefits – also offer savings, particularly in terms of water and energy. This process makes it possible to lower CO2 emissions by nearly two thirds in comparison to exhaust dyeing processes. As a matter of fact, each liter of water that we are able to save in our processes, is one liter less waste water to be treated, and one liter of water that does not



consume energy to heat up the washing water.

Benninger's TRIKOFLEX washing plants and the Benninger Küsters DyePad perfectly suit this type of application.

In addition to sustainable production in terms of water and energy, sustainability for Benninger, also means long lasting quality not only of our production ranges but also of the end product of our customers. ♦

# Mesdan exhibited LODO Specific machine for yarn cone dyeing

**MESDAN® S.p.A. is the Italy-based renowned manufacturer of YARN SPlicERS for the knotless yarn joining, and QUALITY CONTROL equipment for the TEXTILE LABORATORIES (Mesdan-Lab division).**

The MESDAN DYE-LAB division offered a new and extremely advanced series of machines for the dyeing laboratories. High temperature dyeing lab equipment like GIOTTO, LODO and Auto-Chroma IR, were able to reproduce efficiently in the lab, the complete production dyeing process.

LODO is the specific machine for the yarn cone dyeing, able to

work also at 135°C, available with 3 or 6 dyeing heads and capacity of either 1000 or 2000cc. It is equipped with programmable and user-friendly PLC microprocessor with touch screen display - up to 50 programs memory capacity, to easily reproduce the different dyeing diagrams.



**Each DYEING UNIT is equipped with:**

- ❖ Automatic continuous washing system and drain of the dyeing bath.
- ❖ Reversible circulation pump (to allow bath flow from the inside-outside, and vice versa)
- ❖ Safety thermostat, as per CE norms.
- ❖ High quality thermal insulation system (to save power and enable faster temperature increase).
- ❖ Automatic indirect water cooling system by means of an electro valve.

The same machine can be used for dyeing yarn skeins, loose fibres (in a perforated blanket) and fabrics (wound around a beam). ♦