

## Optimising dyeing process: Tecnorama shows the way

In the textile sector, production capacity is notoriously over the effective demand of the market, while competition is growing. In most cases, companies decided to face crisis delocalising the production in Countries with a very low labour cost and with in fact no limitation on trade union and/or on environment legislation.

Now this strategy is not sufficient, exclusively economic and saving logics are not feasible any more. Textile workers understood that the survival in the global market is possible only investing in quality, developing reliable and extremely efficient means and services both for the final product and for the production process. Investments will be first turned to those machineries and devices that allow quality increase and the corresponding savings in all the production process.

Tecnorama, always sensitive to quality and productivity themes, conceived, planned and realised a considerable number of equipments able to noticeably increase the quality level for both laboratory and production dyeing.

The added value offered by Tecnorama is, beyond innovation of proposed solutions, the whole assistance services that clients can

benefit in a fast and on time way. Technical staff, able to act in any cultural context, is highly specialised, helping the client at the moment of the installation and of the starting training, studying quick and economic solutions to eventual future needs.

Who buy a Tecnorama machine can rely on a complete, professional and reliable assistance service. Moreover, first quality materials are continuously tested and compared with

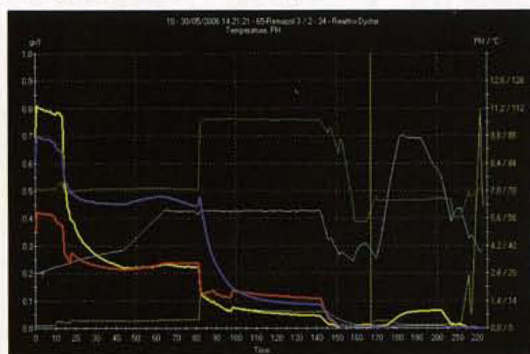


Uniformity of dyeing; Reproducibility of dyeing; Compatibility of dyestuffs; Control of the degree of absorption of single dyestuffs; Optimisation of the duration of processes; Energy savings; Water consumption (very important in particular during the dyeing processes with reactive dyestuffs); Optimisation and savings by using auxiliary and chemical products.

These are just some examples of how the expert dyer can intervene in the dyeing processes when he has such information received from an analytical tool of this kind.

Equipment using transmittance technology should acquire from the spectrophotometer the shades of single dye solutions prepared at different concentrations obtaining correct information on chromatic properties and, on the basis of this information, may use algorithms and give correct analytical findings on the presence and concentration of dyestuffs.

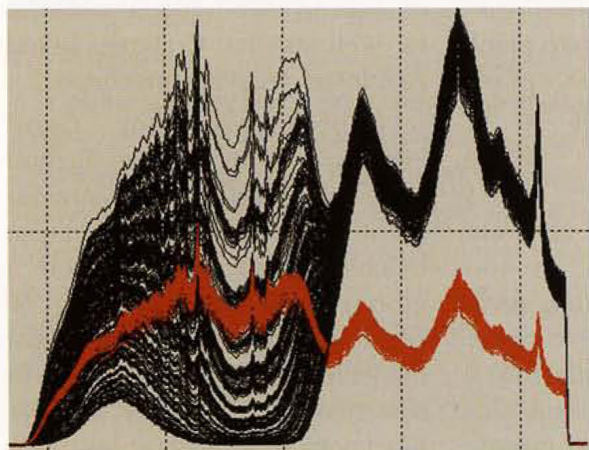
The Spectrodye® is an innovative, original and highly accurate system developed in time, the presence of one or more dyestuffs in a liquid, recording the relative single concentrations present during each reading operation.



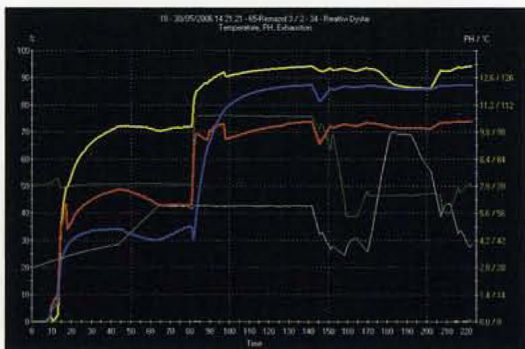
new technologies to grant the client to have in the forefront technological machines for any dyeing processes.

The R&D department of Tecnorama followed year after year the evolution of the spectrometric analysis of the dye-bath and it applied technologies working in transmittance, ie, equipment that analyses the spectrum of absorbed light of a dye in a coloured solution (absorbance).

This analysis is essential for studying and optimising dyeing processes and controlling principal qualitative characteristics, such as:







The Spectrodye® can successfully be used in the laboratory dyeing machines (DOS&DYE Spectrodye®) and in the bulk production ones (Spectrodye® System). In both cases machines equipped with this system become "smart", ie, they can save and

provide all the information needed to have an in-depth knowledge of all technical aspects of the dyeing cycle and of the changes that occur inside the machine, in real time and with the utmost precision.

The Spectrodye® system can be used to obtain a complete and true picture of what is happening during the entire dyeing cycle, step by step, eg, the checking of the amounts of dyestuffs present in the bath at the start of the cycle, pH value, temperature and the exhaustion of single dyestuffs during the process

conditions change, and finally the checking of amounts that are discharged during the various washing phases.

Simple comparative controls can also be performed, checking the yield of different batches of single dyestuffs and their dyeing compatibility, thus improving the quality of procurements and avoiding waste and errors.

In other words, greater economic choice and a correct appraisal of dyestuffs on the market, without the risk of imprudent purchases besides time and resources savings and an inimitable process reproducibility.

## Cobble opens carpet machinery plant in China

As ITMA Asia + CITME 2008 opened its doors, world-leading carpet machinery manufacturer Cobble Blackburn announced the start-up of a new factory making tufting and Axminster weaving equipment, at Suzhou, 75 kilometres from Shanghai. With the new plant, Cobble becomes the first major tufting machine supplier to manufacture equipment in China. It will initially produce components and eventually machines for both China and international markets.

At the same time, Cobble reveals significant investment in diversification, with the establishment of a subsidiary company in the UK which designs and engineers high-tech and robotic machinery for the automotive, aerospace, nuclear and iron and steel industries. The new firm, AMTRI Cobble, based in Macclesfield, was set up after Cobble purchased and revived the former AMTRI company. Manufacturing of its



The new Cobble production plant at Suzhou, China.

designed products will take place at Cobble's main UK plant in Blackburn, – securing the future for this location and its employees.

Blackburn will also continue to manufacture Cobble's high-end tufting machines -- scroll, level cut loop and complex servo-based types for international markets – while the Suzhou plant will ultimately focus on standard ranges,

as well as the Crabtree brand Axminster weaving machines.

Cobble president Geoff Hemingway says: "The Suzhou factory demonstrates our commitment to the future of carpet machinery manufacturing on a global scale. The shifting of some products to a lower-cost manufacturing base will help to optimise profitability at the Blackburn site, where we have

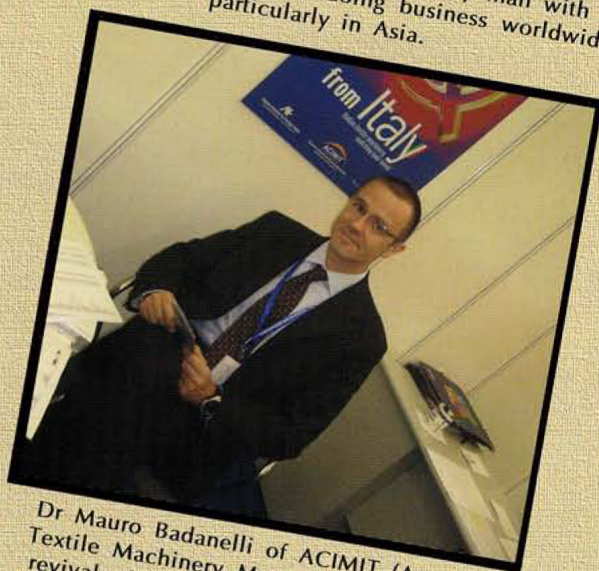




Dr Lukas Sigrist, Secretary General, Textile Machinery Division of SWISSMEM, is quite a happy man with the way the Swiss majors are doing business worldwide, particularly in Asia.



Small presence, big ambitions: Ms Elin Lydahl, National Secretary of the Association of Sweden Textile Machinery (TMAS) with Mr Bert Vonkeman, Sector Manager of GTM, Group Textile Machinery of The Netherlands. GTM has 5 member-companies and TMAS 8.



Dr Mauro Badanelli of ACIMIT (Association of Italian Textile Machinery Manufacturers) is excited about the revival of Asian interest in Italian machinery. Against last year's fall in orders, this year the market for India has started looking up, says Dr Badanelli.



Ms Evelyn Cholet, Secretary General of UCMTF (Association of French Textile Machinery Manufacturers), which comprises about 35 companies with an export value of over Euro 1 billion.



Jurgen Brockmann, Managing Director (Sales) of Thies GmbH, Germany in front of one of the fast-selling models. For more than a century the name of Thies has been synonymous with innovation and advances in textile finishing.



Mr Mario Scatizzi of Tecnorama, Italy, which started its activity by conceiving and building machinery for the polychromatic printing of yarns and then fabrics for fancy applications. It made rapid strides and never looked back.