

Mahlo: Sustainability in the textile industry – Activate untapped potentials

Mahlo, a family-run company, located in Bavaria, Germany has carved out a solid position in the competitive global marketplace. Mahlo GmbH & Co. KG is one of the world's leading producers of measurement, control and automation systems, primarily for the textile industry but also for the paper, foil and coating sector. Mahlo is represented in Pakistan by Al-Ameen Trading Corporation and enjoys numerous references in Pakistan due to its extensive product portfolio of products and diligent marketing and sales effort of its local agent in Pakistan.

The company's extensive portfolio of products and services reflects constant movement and progress. The products are designed to set new standards in quality assurance and process optimization.

The goal is to work together with the customer to identify the most competitive and cost-effective production solutions. The ultimate purpose of this strategy is to maximize ROI and value-addition by reducing energy consumption, raw materials and human resources while optimizing quality, equipment utilization and work flow.

Sustainability in the textile industry

Sustainability and resourceful energy management are the major topics of Mahlo GmbH & Co. KG at the ITMA ASIA + CITME 2010 in Shanghai from 22 – 26 June 2010. In Hall W5, Booth A03 on an exhibition area of over 100 m², the company presents innovations from measuring and control technology for the worldwide textile industry as well as for the coating, plastics and paper sector. Mahlo demonstrates how energy efficiency can be optimized in industrial corporations and the ecological balance improved on a sustainable basis. This saves resources and thus in particular: money. Each company has some hidden savings potential to a greater or lesser degree waiting to be tapped. The ROI can be significantly increased with already comparatively little means.

The simultaneous optimization of product and process quality represents welcome and revenue-enhancing additional benefits. Uncommon task assignments and engineering approaches of the Mahlo R&D team have created innovative solutions. The results demonstrated at the trade fair are the proof of this assertion by Mahlo.

Of course, cost reduction and optimization potentials through process control system constitute a major focus. Mahlo is presenting the new **ATMOSET SMT-12**, a dynamic cylinder dryer control system, which already experiences a major demand because of its high savings potential.

Up to 15% of energy can be saved through product-specific dryer control. Sums in the 5 to 6 digit range can be saved through the reduced energy consumption in the energy-intensive drying process. Sustained savings can also be realized with the enhanced modules and sensors of the **OPTIPAC VMC-12** process control.

The **ECOMAT AML** module minimizes energy consumption up to 16% alone through optimized exhaust air control. The dwell and heatsetting time can be optimized fully automatically with the **PERMASET VMT** module. This means optimal utilization of the stenter capacity at a lower energy requirement per metre of product produced.



Headquarters in Saal a.d. Donau is the hub of the company's worldwide operations.



The new ORTHOPAC XRVMC-12 offers an unique combination of simultaneous adjustment and control.

Amongst others, a demonstration system with circulating product web will be presented. Here you can view the new straightening concept **ORTHOPAC XRVMC-12** at its best. As the first and only straightening system it offers the advantageous combination of simultaneous feed forward and feedback control of the straightening process.

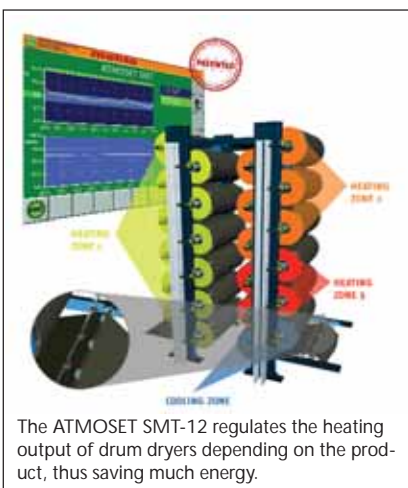
The multiple straightening units, selectable independently from each other, guarantee optimal monitoring with even faster and more precise straightening results. "Right first time production" thus comes within close reach and contributes to lowered costs.

On the reverse side of the demo model you will find the new **WEBCAN WIS-12**, an online defect detection system with state-of-the-art camera technology. This revolutionary, complex and yet easy to operate system exhibits a defect detection rate up to 100%, at line speeds up to 120 m/min. This opens a new chapter in textile inspection.

Additional exhibits such as the new microwave moisture measuring unit **AQUALOT AMF** or the only sampling unit **SAMPLECUT FSC-12** complement the programme.

The culinary aspects are also generously covered: The Mahlo Team expects its guests and friends of the company at the cosy "Café Hybrid".

Courtesy: Mahlo GmbH + Co. KG. ♦



The ATMOSET SMT-12 regulates the heating output of drum dryers depending on the product, thus saving much energy.



WEBCAN WIS-12: On-line fault detector up to 100m/min line-speed.