

BRÜCKNER and TINTEX work together to develop new knitted effects through textile finishing:

Portugal makes a big a step into the future

This mill report highlights the coating of knitted fabric by BRÜCKNER; technology opens new markets for a Portuguese textile company TINTEX.

TINTEX based not far from the Portuguese / Spanish frontier, in Vila Nova de Cerveira recently decided to tread the new path in the worldwide competition. Tintex as a future-oriented company sought the cooperation with BRÜCKNER to achieve completely new effects with knitted fabrics.

The textile market on the Iberian Peninsula has become rather small in the last few years, and TINTEX wants to keep up with future market developments. Whereas, BRÜCKNER is recognised in the industry as one of world market leaders in the finishing of extremely sensitive knitted fabric. Therefore, it was only natural that TINTEX chooses BRUECKNER stenter, which offers unbeatable advantages particularly regarding the requirements to the uniform temperature in the treatment of synthetic fibre blends due to the counter principle and other constructive measures.

BRÜCKNER, as an innovative machine builder completes its coating line with these advantages with a possibility of coating and laminating this highly sensitive fabric. At the BRÜCKNER's Technology Center as well as on a BRÜCKNER line based at the Institute for Textile and Process Technology of the Technical University Stuttgart, the customers can run tests to implement their ideas.



View from the line entry.

The heart of this finishing line is a stenter with the proven and patented BRÜCKNER "split-flow" technology including the corresponding entry and exit components which are particularly designed for a low tension fabric transport and an extremely sensitive fabric surface.

In the entry and in the exit of the machine there are, however, two special features. The entry stand of the stenter integrates a newly developed special coating unit. It allows applying stable and unstable foams as well as pastes by means of a screen application unit. It takes only a few steps to change over to a knife-over-cylinder coating system.

In this process, the upper draw roller is used as coating cylinder. This allows somewhat higher application weights for stable foam and pastes in the case of more stable fabric.

The exit integrates a laminating/ embossing calender offering also the possibility to provide with an electrical shortwave infra-red radiator a directly coated highly elastic knitted fabric with a shagreen by means of an embossing paper.

The R&D department of Tintex develops innovative coatings. In future, Tintex wants to produce on the new BRÜCKNER line fabrics which could not be realized at all up to now or only by means of transfer coating. ♦



Knife-over-cylinder system .



IR radiator.