

## BRÜCKNER: Energy efficiency and technical textiles were highlighted at the show

One of the highlights of the booth was the exhibited coating and laminating machine with downstream arranged stenter. A newly developed floating knife / knife over cylinder coating machine which allows the most different paste or foam applications from 5 to 2000 g/m<sup>2</sup> was presented.

In the stenter entry the fabric can be coated in addition from below with a new type of wide slot nozzle.

In addition a laminating unit integrated in the stenter entry was also presented. This unit allows to laminate mainly very tension sensitive fabric webs with diaphragms or foils.

The visitors were also interested to see several small scale machine models, and with the help of these models the process steps and technologies could be very clearly explained. The models on display had several movable parts and through the transparent casing the interior of the machines was visible to highlight the machine concept.

An insider tip on BRÜCKNER's booth was the presentation chamber for the newly developed POWER-FRAME ECO stenter. Low-tension fabric transport, minimum energy consumption, maximum productivity are the key words for this revolutionary dryer technology. With a central heating system, a completely new air guidance system and a sophisticated temperature control system this system allows to save up to 30% of energy compared to usual stenters with heat recovery, depending on the process and fabric type and the production can be considerably increased. This technology was shown by means of a complex 3D anima-



Exhibit on the Brückner booth.

tion and Bruckner presented also field reports from an already existing line in production at a customer in Germany.

Among other new technologies, new nonwovens dryer also attracted the interest of the visitors. Regina Brückner said, "We are very glad about the great interest in our new developments and we feel once again that our role as technology pioneer is a confirmed. We thank our customers very much for their interest and the intensive discussions and we are looking forward to our future positive cooperation." ♦



Machine model of a coating line.

## Rotorcraft combines energy saving and ease of handling for ring spinning components

At ITMA Barcelona, ROTORCRAFT AG of Switzerland defines the future of ring spinning. According to Rotorcraft the basic concept of ring frames will remain as it is. The value of a frame in the market place will largely depend on the spinning components, therefore company has set out to prove to the industry, that Rotorcraft's product program is amongst leaders in ring spinning components.

### Rotorcraft top arm ST3

The innovations presented by Rotorcraft include newly designed Rotorcraft top arm ST3. Recognizing the fact that modern mills run 365 days a year and unloading top rollers over weekends is therefore no longer necessary, due to a modern spring loaded top arm developed by Rotorcraft. It is the only top arm available in the market which is truly self-aligning, resulting in improved yarn evenness. Rotorcraft's ST3 also allows easy adaption to varying fiber lengths.

### RoLeC spindle

Over the last decade, bobbins became smaller and smaller in order to allow higher spindle speeds. The RoLeC spindle equipped with the patented insert MM 52A, has succeeded in producing spindle bearings small enough to allow wharve diameters of 15 mm. While keeping the same spindle speed all driving elements from electrical motors to shafts, bearings, pulleys and belts run about

20% slower, leading to corresponding substantial power savings. The patented Rotorcraft insert MM52A is the only insert on the market today, which allows spindle wharves with such a small diameter and therefore with lower power consumption than any other ring spindle.

### Rotorcraft lubrication beam RoLuB

Rotorcraft lubrication beam RoLuB allows changing the spindle oil without removing the upper part from its housing. Oil change becomes a clean job. On average, the lifetime of the spindle can be expected to be increased by one fourth. The cost for maintenance is drastically reduced.

### New generation of RoCoS

After long and extensive research, Rotorcraft's mechanical compacting system RoCoS has firmly established itself in the worldwide ring spinning markets. About 80% of all yarns spun on ring frames glob-



Hans Stahlecker, Chairman, Albine Fischer and Dr. Andreas Fischer, CEO, Rotorcraft AG

ally can be compacted by RoCoS at almost no extra cost of production. One can safely assume that power will become more and more expensive. Therefore, pneumatic compacting in the future will only make economic sense for super fine luxury yarns. With RoCoS, compacting spinning is no longer limited to luxury yarns. Innovative RoCoS customers are already using the system for standard yarns, in order to lower yarn production cost by using lower grade cotton and/or reducing the twist and/or reducing the percentage of comber noils. ♦