

## Interspare launches KRANTZ K 30 Stenter with KAPrec heat recovery unit

For the last ten years Interspare GmbH supplies wide range of spare parts of finishing machinery and plants. Since 2007 Interspare is responsible for distribution of spare parts central from Reinbek in Germany for ARTOS, BABCOCK (BTM), FAMATEX, HAAS, KRANTZ, STENTEX and other branded machines. More than 160 years of experience of these brands is combined in the field of textile machine production, and now their range of products completely covers the process of wet and dry finishing of textiles.

Interspare is a strong partner in the textile industry worldwide. Interspare secures high quality and professional service. For all three brands a reliable network around spare parts, after-sales service, training and seminars have been developed and Intertex Trading is their point of reference in Pakistan. According to Sohail Sheikhani of Intertex Corporation, "The high quality of spare parts, years of experience in finishing machines and their natural endeavour to always work out the best solution for the customer has enabled Interspare to keep these brands in perfect operating condition worldwide as well as in Pakistan."

The machines of these well-known brands are still in operation in Pakistan and these brands offers combined 160 years of experience in the field of textile machine production with more than 150 patents which document the company's success in Pakistan and also other parts of the world.

### KRANTZ K30

According to Dirk Polchow; "All over the world finishing industry specialists associate Krantz Stenters for outstanding knits finishing, and today K10 and K20 single layer stenters have worldwide acceptance as classics."

He explained, "Our new K 30 stenter is further development of the K series, which combines proven Interspare components with innovative technological solutions. The development of this new stenter is to supply our customers a machine that



Krantz K 30 - New stenter presented at ITMA Barcelona.

operates even more efficiently. Interspare is now in a position to offer single layer stenter for knitted and woven fabrics."

KRANTZ K30 was presented at ITMA Barcelona along with KAPrec heat recovery unit. The Krantz K30 offers following advantages:

#### **Best fixation and residual shrinkage values by Convey-Air® nozzle system**

In the drying section, the arrangement of the nozzles features a proven Convey-Air® system which creates a special cushion effect that ensures absolutely uniform "floating" of the fabric. This permits a permanent relaxation of the fabric before the actual fixation process.

The arrangement of the air nozzles and the vertical air outlet at right-angles to the fabric web, in order to prevent even delicate fabrics from being blown sideways. The air application is kept uniform over the entire fabric and therefore, this gentle drying makes for outstanding fixation and residual shrinkage values and a soft, bulky handle.

#### **Optimum temperature and pressure distribution thanks to turbo mixing zone**

In each stenter bay, the innovative turbo mixing zone ensures outstanding uniformity in the distribution of pressure and temperature over the entire length and width of the fabric.

This optimum uniformity in drying and fixation is the most important pre-condition for producing fabric that meets the highest quality standards.



Dirk Polchow of Interspare GmbH with Sohail Sheikhani from Intertex Corporation.

### KAPrec heat recovery unit

Another interesting innovation presented at Interspare stand at ITMA was a model of a KAPrec heat recovery installation on a drying machine (stenter) for technical textiles. The special features of the KAPrec heat recovery unit are as follows:

- ❖ Integration of the unit into the existing exhaust ducts, no large-scale and expensive re-ducting necessary.
- ❖ No reinforcement of replacement of the exhaust fan required.
- ❖ Cleaning efforts reduced to a minimum as clean, fresh air passes through the segments of the heat exchanger.
- ❖ Virtually no losses by heat radiation as the heated up fresh air is directly fed into the stenter compartment.
- ❖ The unit is provided as completely assembled machine and is ready for installation.
- ❖ Economic even for small machines with a minimum of 1300 m<sup>3</sup> exhaust air per hour.

#### **Function:**

The hot exhaust air from the machine heats up the segment heat exchanger. The clean, fresh air passes through the segments in counter flow. The large exchanger surface of the segments results in a maximum preheating of the fresh air.

Therefore, the heated fresh air is directly passed into the stenter compartment and depending on the temperature of the exhaust air, a saving of up to 30% of thermal energy is now possible with KAPrec technology.◆



Krantz K 30 is the new stenter offers energy savings and better fabric quality due to Econ-Air flow control system.