

## SSM Symposium in Karachi, Lahore - Pakistan

SSM the leading winding technology suppliers from Switzerland recently held two symposiums in Karachi and Lahore. The symposiums were organized by their local agent in Pakistan AHS Textile Machinery Company. These seminars were held at a time when Pakistan's textile industry is facing severe internal as well as external challenges. The solutions presented at the symposia are relevant for the industry to improve efficiency and reduce the cost of production. That is why these symposiums were greatly appreciated by the industry representatives who attended the two seminars in large numbers.



The Chief Guest of the Karachi symposium was Mr. Martin Bienz, the Consul General of Switzerland in Karachi. The presentations were given by Mr. Horst Luechinger, Sales Manager SSM and Mr. Robin Gutbrod, SSM Product Manager.

Mr. Hafeez-ur-Rehman from AHS, welcomed the seminar participants, the Chief Guest and presenting guests from SSM. After a brief introduction of AHS Textile Machinery Company by Mr. Hafeez-ur-Rehman, Mr. Horst Luechinger gave an introduction of SSM, which is part of the strong Schweizer Technologies comprising SSM Textile Machinery, ALCAN composites and Ismeca Semiconductor.

With more than 150 years of corporate history SSM is a textile engineering company specialising in a wide range of cutting edge technologies in fields assembly winding; dye package winding / rewinding; yarn singeing; sewing thread; air covering; air texturing). The SSM range of products include solutions for short to long staple fibre yarns as well as filament and technical yarns.

Mr. Luechinger elaborated that despite the global recession, SSM has managed to perform well through their commitment to provide appropriate solutions developed in close cooperation with the industry leaders world wide.

### Assembly winding

Mr. Robin Gutbrod (SSM Product Manager) gave a comprehensive presentation of the wide range of technologies SSM has to offer for Pakistani market, particularly the newly launched PS6plusW, high performance precision winding machine.

The other products Mr. Gutbrod discussed in the field of assembly winding were DP5-D for staple and filament yarns, TW2-D also for staple yarns and PM 51R for industrial filament yarns.



### Dye package winding and rewinding

Mr. Gutbrod mentioned that "Well wound is half dyed". Winding according to him is an integral part of the dyeing process with dye package winding to dyeing and drying and then rewinding for downstream processing.

The effect of the winding on the overall costs is up to six times higher than the winding cost itself. While the dye package winding cost is only 5% of the total cost its influence can be up to 30%.

The uniform flow conditions which are essential for optimal dyeing can only be assured with an appropriate build of the dye package (ideally precision or DIGICONE<sup>®</sup> wound packages).

DIGICONE<sup>®</sup> winding combines the advantages of random winding with those of the precision winding including constant density, no ribbons and stable package build-up.

The density is the highest with the DIGICONE<sup>®</sup> OF 420g/l with an increase of 44% in the dyeing capacity as compared with the random winding.

Cylindrical package DIGICONE<sup>®</sup> or precision winding results in a cost reduction of 21% as compared with cone random winding.

### Yarn Singeing

SSM's GSX2 singeing machine is a high performance yarn singeing machine for cotton, rayon staple fibre yarns, blends and other spun yarns. According to Mr. Gutbrod, SSM is the market leader in yarn singeing technology with an installed base of more than 13,000 single driven spindles. The positive effects of singeing yarn are, less hairiness, smoother fabric surface, improved reflection and better printing.

### Sewing thread finish winding

Mr. Gutbrod also presented SSM's sewing thread and embroidery yarn finish winding technology for industrial and domestic make-ups. TK 2/20 "Thread King 2" with automatic or manual doffing, 751 K "Eco Thread", manual doffing and NSA U Underbobbin winder were discussed.

### Air texturing

Air Texturing renders filament yarn with a natural handle which can be spun like yarn. High volume of final yarn is possible with high pilling resist-

## Seminar



Mr. Hafeez Ur Rehman of AHS.



Mr. Horst Luechinger, Sales Manager SSM.



Mr. Robin Gutbrod, Product Manager, SSM.



Mr. Martin Bienz, Consul General of Switzerland, Karachi.

ance as well as higher abrasion resistance in the fabric.

The established markets are textile yarns, automotive sector, home furnishing and industrial yarns. Polyester, nylon and polypropylene air textured yarns show a growing trend according to Mr. Gutbrod and the improvements in spinning and processing will lead to significant increase of PP ATY yarn consumption in the future. Fashion and home textile offer great opportunity for fancy yarns.

Thanks to SSM's concept of individual drives the integration of a spandex component into a texturing process is finally possible with new market opportunities in fashion, underwear and sportswear sectors. DP4T TW2-T, DP3-CT and RM3-T are the range of SSM machines for air texturing.

### Air covering

Air covering applications for filament yarn plus elastane include swim suit and gymnastic outfits, elastic ribbons waist band, ladies underwear, stockings, shirts, pullovers and linings among others. The leading Air Covering machine by SSM is the DP3-C DIGICONE<sup>®</sup> *preciflex*<sup>™</sup> for spun yarns or filament yarns allowing flexible production of elastic yarns.

### Concluding comments by Mr. Martin Bienz, Consul General of Switzerland, Karachi

Mr. Martin Bienz, the Swiss Consul General in Karachi, in his closing remarks thanked AHS and SSM for organising a very successful event.

He mentioned that the presence of Mr. Leuchinger and Mr. Robin Gutbrod in Pakistan at this difficult period is indicative of the commitment of SSM towards their valued customers in Pakistan.

Despite the economic downturn and global recession, the economic ties between Pakistan and Switzerland are getting stronger every year. More than 60% exports of Pakistan to Switzerland are garments and textiles. On the other hand textile machines are among the main exports of Switzerland to Pakistan along with chemicals, pharmaceuticals and watches.

Mr. Bienz expressed his hope that such informative and useful events are held on a regular basis. ♦

## PS6plus-W - new high performance precision winding machine

SSM Schärer Schweiter Mettler AG, Horgen has introduced the new PS6plus-W, the high performance precision winding machine for the preparation of dye packages and the rewinding after dyeing. The PS6plus-W is a further improvement of the benchmark winder PS6. PS6plus-W offers better performance and higher speeds but still maintains the same yarn quality.

In order to increase the speed, SSM has developed the new *tensiso*<sup>™</sup>, a special balloon optimising system for supply packages. *tensiso*<sup>™</sup> is a fully automated system and requires no specific manipulation by the operator. The *tensiso*<sup>™</sup> system offers:

### Significantly better yarn unwinding efficiency:

- ❖ Higher winding speeds than usual (+ 20%; mechanical up to 1'600 m/min).
- ❖ Reduction of maximum unwinding yarn tension by 30%.
- ❖ Reduction of unwinding yarn beaks by 40%.
- ❖ Decreased yarn stress and so reduced hairiness.

The PS6plus-W utilizes the proven thread guiding system with counter-rotating blades. The rotary movement of the blades offers wear and tear free performance. The PS6plus-W allows the choice of a precision or DIGICONE winding, which



SSM PS6plus-W.

thanks to the possibility of higher dye package densities permits considerable energy and cost saving in the dye process.

The machine is rounded off with a simple pictogram based machine terminal (MT), in which all winding parameters can be easily stored and retrieved. Thereby enabling perfect long-term reproducibility from position to position.

The PS6-series is the reference for cost efficiency production of dye packages. The new PS6plus-W continues this tradition. This makes the PS6plus-W into a "must-to-have-product" in a modern winding department.