

## Associated Textile Consultants

### Bracker AG: Key components for ring spinning machines

Bräcker is one of the market leaders in the manufacture and marketing of key components for ring spinning machines. This is evident not only in the wide range of excellent products, but also in the distinctive competence of the staff who advise and provide solutions.

#### Nylon travellers

- ❖ Nyltex Steeltex: Travellers in top quality for high performance. Widest range of applications.
- ❖ Gretener spinning tubes for Rieter: Tubes with sliding bush for guaranteed trouble-free doffing.
- ❖ Gretener spinning tubes for Zinser, Toyota and KTTM: The wear resistant Delrin bush assures long-term functionality.

#### Steel travellers

- ❖ SAPHIR: The most successful traveler finish ever.
- ❖ PYRIT: Newly developed traveler finish, which increases the traveler service life up to 100%.
- ❖ RAPID/AP: A must with automated spinning machines and reduced labor force.

#### Spinning rings

- ❖ TITAN: The benchmark of spinning rings. With more than 25 Million rings installed worldwide.
- ❖ NOVA: High performance ring with favourable price/performance ratio, thanks to new technology.
- ❖ ASSEMBLY GROUP: Adjustable ring/holder assembly including traveler cleaner.

### Navis Global Group

#### Navis Tubetex Pak-Knit II SP Compactor

The customers can achieve a new level of performance and appearance for tubular knit fabrics with the Pak-Nit II SP Compactor. For high-quality outerwear and apparel knit fabrics, the final step of processing will yield a softer hand as well as superior shrinkage, width and yield control. Pak-Nit II SP offers several distinct advantages:

- ❖ Improved hand and appearance, while achieving the natural relaxed state of the knit loop in a continuous process.
- ❖ Residual shrinkage results of only 1% in knit fabric by tumble dry testing. Patented processing system means accurate repeatability of desired finishing results.

#### Navis Arraytex TM-100 open-width compactor

The Navis ArrayTex TM-100 is a revolution in open-width knit finishing. The machine is the culmination of extensive engineering and research efforts. Extensive uses of new materials and manufacturing techniques have produced a new machine and recent engineering breakthroughs mean faster changeover for fabric styles and higher quality while reducing running cost.

The machine produces high quality outerwear and apparel knit fabrics with a softer hand, superior shrinkage control, width control and yield control. Optional automatic width control and automatic stitch control devices are available for further ease of operation.

#### FADIS: Rewinder with motorized unwinding device

Sincro RFM SW rewriter with motorized unwinding device for FAPP™/ MUF/ HANKS / BOBBINS machines by Fadis is one of the highlights at the show.

Rewinding of elasticized yarn is a particularly delicate and important process, since the original elasticity of the yarn must be guaranteed, starting from low density and deformed feeder packages up to the final bobbin which must ensure perfect unwinding in the subsequent working phases without any tension difference. To combine these delicate and fundamental aspects has been a compelling challenge which Fadis has won with the development of the Sincro RFM SW.

With more than 47 years of experience in the winding field (especially with the swiftens tension controlled hank winding system), Fadis was the first company in the world to develop a few years ago – the Sincro RFM SW rewinding machine with precision crossing and electronic yarn guide with a tension controlled motorized unwinding device with “a la deroule” system at a speed of up to 1,400 m/min (mechanical speed up to 1,900 m/min)



Sincro RFM SW rewriter with motorized unwinding device.

meaning three or four times faster than any other existing technology.

The “precision crossing with positively driven bobbin” technology, allows bobbins with a perfect and controlled yarn laying, without any patterning, a guarantee for an excellent bobbin unwinding at a constant tension, thus allowing for considerable quality and performance improvement during subsequent production phases.

#### Fongs JumboTowel and JumboTowel-Super

The Jumboflow series high temperature dyeing machines have lot of excellent features. The total dyeing time can be reduced considerably, which leads to substantial machine output and energy savings.

The unique features of towel such as low twist yarn, high pile, softness and thickness require special machine design to achieve an excellent processed quality. The capacity of the machine is another feature needed to meet an economical processing of the towel material. The JumboTowel is designed to meet all these challenges. It is suitable for the pre-treatment, dyeing and after-treatment of towels, high pile fabrics, heavy curtains and decorative fabrics for both hometextiles and automotive upholstery.

Fong's has devoted its efforts to overcome the challenge of processing bulky material such as towel, high pile fabric with superb quality. The optimum lifting height exerts the minimum force on the running material lifted from the storage chamber. The possibility of material breakage during a prolonged process is therefore, reduced. The conveyance passage is optimum in its size to allow material weight from 500 g/L.M.+ up to 2500 g/L.M.+ to pass through smoothly. The voluminous storage chamber can hold up to 400 kg of towel material or alike but still maintain a minimum liquor ratio at 1:5 to run the machine.



High Temperature Towel Dyeing Machine

## Spindelfabrik Suessen GmbH

Suessen will exhibit at Textile Asia 2010 following products and solutions.

### In Ring Spinning

- ❖ EliTe®CompactSet V5 – compact spinning system for short- and long-staple ring spinning machines.
- ❖ HP-GX 3010 Top Weighting Arm for short-staple ring spinning.
- ❖ ACP-Quality Package – better fibre guidance for improved yarn quality in short-staple ring spinning.
- ❖ HP-GX 4010 Top Weighting Arm for roving frames.
- ❖ HP-GX 5010 Top Weighting Arm for worsted spinning frames.

### In Open-End Rotor Spinning

- ❖ SQ SpinBox Modernization – for Autocoro SE 7 – SE 10 Rotor Spinning Machines.
- ❖ Premium Parts - Spinning Components and Spare Parts for Autocoro Rotor Spinning Machines.

### EliTe®Compact Spinning Technology

The SUESSEN Compact Spinning System has achieved a reputation as versatile compact spinning system. To date, the EliTe®Compact Spinning is running on over 3,500,000 ring spindles (03.10) worldwide. EliTe®CompactSet is available for all volume models and types of ring spinning machines. In Pakistan, there are more than 350,000 EliTe®Compact Spindles installed.



EliTe®Compact Spindle.

The Compact Ring Yarn, providing revolutionary improvements in all yarn parameters, has already established new ring yarn quality standards. Furthermore, it has proven its important cost effective advantages in the ring spinning process and in downstream processes. The final result of using EliTe®Compact Yarn is an improvement in the quality of the textile end product.

SUESSEN co-operates with JINGWEI in the field of EliTe®Compact Spinning, and optional application EliTwist®. With this co-operation the companies expect to extend their business and market share in the market. ATC will hold a seminar on Elite Compact Technology and energy efficient spinning technology at Textile Asia.

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## Novibra: Leading in spindles technology

Novibra is an old established spindle manufacturing company founded in Germany in the 1930's. Significant developments during the last 15 years have made Novibra one of the market leaders in the field of high speed ring spindles. A wide range of spindles has been developed to provide optimal answers to both the economic and quality requirements of yarn producers and spinning machine manufacturers world-wide. Their high-speed spindles are produced in state-of-the-art manufacturing processes. The latest model of the "NASA ENERGY SAVING HP-S68/3" version significantly reduces energy consumption and noise level. Almost all renowned manufacturers of ring spinning machines specify NOVIBRA spindles for high performance.



### New spindles HP-S 68/3 and NASA HP-S 68/3

Novibra has now introduced the new spindles HP-S 68/3 and NASA HP-S 68/3 onto the market, which achieved energy saving of approx. 3 Watt per spindle at a speed of 20,000 rpm compared with any other spindle on the market.

Concentrating on Super High Speeds – even up to 30,000 rpm – the emphasis, however, is no longer on the spindle speeds, but even more so on reducing power consumption, which increases exponentially with speed.

Although Novibra HP-S 68/3 Sphero-Point Spindles and its low noise variant, the NASA HP-S 68/3 Spindle with a 6.8 mm neck bearing diameter allowing a minimum wharve dia. of 18.5 mm, have reached limits, which in terms of geometrical stability and load carrying capacity cannot be improved any further.

### HP-R top rollers for all applications

HP-R top rollers are for the replacement of Top Rollers on existing machines and for new machine installation.

- ❖ an outstanding precision engineered product with superb operating performance.
- ❖ Incorporating high-capacity double-row ball bearings in each shell.
- ❖ Protected by unique Micro-Seals, which prevent any dust or fly from entering the bearing, at the same time not allowing any grease to escape.
- ❖ The non-friction Micro-Seals do not create any power losses.

### HP-Bottom Rollers for all replacement applications

Eccentric or damaged bottom rollers, specially front bottom rollers, are the most common cause for unnecessary yarn faults and excessive roller laps. HP-Bottom rollers: are for replacement of faulty components in ring spinning and speed frames in the short and long staple sector.

HP-Bottom rollers due to superb geometrical accuracy improves yarn quality, eliminates periodic faults with minimum capital investment. Novibra will also present its technology at ATC seminar on 12<sup>th</sup> April 2010.

## Jakob Muller: MÜGRIP MBJ5PR rapier for variable yarns in label weaving machines

A rapier system is now available, which carries out the positive nip of the weft thread and thus allows an expansion to the range of yarn qualities employed in labels. In the system, the weft threads are no longer forcibly drawn in and held between the bottom and tongue of the rapier, but instead are fed to a thread rapier with controlled opening and closing, gripped and then inserted into the fabric.

The new, positive rapier facilitates the use of Lurex, zero-twist yarns, fine high-twist yarns, chenille and fancy yarns, nöp and other yarns with up to 660 dtex at high insertion speeds and without fibrillation. Muller will also participate at ATC seminar on new technology for value added textiles on 10<sup>th</sup> April 2010 at Karachi Expo Centre.



Positive rapier for variable yarns.