

Selected exhibitors at ShanghaiTex 2009

Arioli: VAPO 2008 Loop steamer by

Arioli S.p.A. will be present at the upcoming ShanghaiTex at hall W3, stand H01. The company has been engineering, manufacturing and commissioning machinery and plants for fabric finishing since 1952. More than 2000 installations in more than 110 countries testify the success of Arioli for the last 50 years. An efficient service and after sales local network, present in 55 countries, assures continuous working of all installations.

The VAPO2008 is an updated and technologically advanced version of the Arioli loop steam ager. The machine is designed for fixation of dyestuffs on fabrics at the following temperatures:

- ❖ Between 102°C and 106°C in saturated steam.
- ❖ Between 155° and 180°C in HT steam.
- ❖ Between 130°C and 180°C in hot air (polymerization).

It can be used for steaming of both woven and knitted fabrics such as cotton, polyester, P/C blends, silk, polyamide, wool, polyester-wool and polyester-viscose blends with different printing methods, i.e. direct and discharge printing.

Benninger offers textile finishing solutions

The Swiss company Benninger will be present at hall W3, stand C05. Benninger develops and manufactures textile finishing and cord production ranges as well as providing complete system solutions.

Benninger offers solutions for important textile finishing processes and specializes in the continuous open-width treatment of fabrics and interlaced yarns.

With innovative process systems, the company increases efficiency and therefore provides customers with significant competitive advantages, whether with regard to increasing productivity, optimizing quality or ensuring ecological standards.

Major exhibits from Benninger include the **Ben-Wash**, a high washing effect with low water consumption; the **Ben-Bleach**, from grey cloth to full dyeing or print white; the **Ben-Dimensa** for precise mercerization; **Ben-Colour** that provides one-step dyeing technology; the **Knit-Line** offering knitwear open-width concepts; and the system of Resource Management that helps users achieve zero discharge

and hence environmental protection through waste water recycling and heat recovery.

Besides, Benninger tire cord and single thread installation impregnation systems are technologically mature, guaranteeing total reliability and the highest possible level of safety of the treated fabrics in the most diverse areas of application, the company says.

Bianco sensor

Bianco spa will exhibit the SKM1 Bianco sensor. Thanks to advanced electronic systems, the SKM1 sensor integrates two different optical systems so that the operator can choose the needle path or the column inclination processing way. These two reading modes use the Twin Scan technology that can work simultaneously both in Reflex and in Transparency, in order to be used on the widest possible range of fabrics. Bianco can be visited at Hall W3, booth E85.

Fadis presents Sincro M

Fadis is a manufacturer of textile machines such as rewinders, soft winders, assembly winders, hank to cone winders, reeling machines, spooling machines and intermingling machines, which are meant to process all types of yarns such as cotton, wool, silk, artificial fibres, synthetic fibres, mixed fibres, intermingled yarns, fancy yarns.

Fadis offers machinery to prepare yarns, in the form of packages or hanks. This year, Fadis will present at hall W3 C01, the **Sincro M**, will display a new innovation of winding machine with precision crossing and electronic yarn guide which can reach speeds up to 2000 m/min (mechanical speed up to 2500 m/min).

With the Sincro M machine, it is possible to produce FAPP low density packages (Fadis Precision Package), which allow for wide retraction margins of the yarn during the dyeing phase, thus keeping a high

residual elasticity percentage of the elastized yarn.

Therefore, with this technological system and other machines of Fadis, it is possible to obtain qualitative results quite similar to hank dyeing but with the same simplicity and economy typical of yarn package dyeing, the company says.

The fundamental innovation of these machines is the use of the precision crossing with electronic yarn guide and positively driven swift instead of a positively driven bobbin.

With the "precision crossing with positively driven swift" technology, it is possible to obtain FAPP with a controlled yarn laying, without patterning, which are a guarantee for good unwinding at a constant tension, thus allowing to keep elasticity and a high performance during subsequent production phases, according to Fadis.

Groz-Beckert

For more than 150 years, Groz-Beckert has supported the machine builders to the textile industry. During this period, Groz-Beckert has developed from being purely a manufacturer of knitting and hosiery machine needles into the most important system supplier of precision components in the field of textiles and beyond.

Step by step, the company has branched out into the business sectors of sewing machine needles, felting and structuring needles and tufting needles – complemented most recently by the important sector of weaving machine parts and knitting cylinders.

High-grade Groz-Beckert circular knitting cylinders provide the ideal complement to the company's premium range of needles and system components to create an ideal knitting system from a single, reliable supplier.

The company says that it is only with the guarantee of a consistently high standard of component quality and outstanding durability that circular knitting machines are able to reach their full potential for high-performance operation on the factory floor.

Customers are offered a selection of 60,000 knitting cylinders and around 50,000 different needles and system parts for the manufacture of textile surfaces.

Groz-Beckert will display a knitting cylinder for the most popular single jersey machines in Asia with 34" diameter in gauge E44 at its booth (W1 F33).



SINCRO M.

Automatic winder Savio XCL and GEMINIS S Two for one twister

According to Savio SpA, it is interesting to note that, in a period of world economical crisis, the Chinese market still represents an important outlet for the world textile dealers. Savio will be present at Hall E1, booth B 35 at ShanghaiTex and will be displaying two machines specially suitable for the Chinese market.

SAVIO XCL: automatic winder, completely assembled by Shandong Istma Textile Machinery (off shore assembling company of Savio Macchine Tessili), and particularly designed for the local market in order to meet the high yarn quality demand together with high production output, reduced energy consumption, maintenance and investment.

This winder with manual bobbins feeding and manual package doffing, with the proper technical specifications studied for the Chinese market, represents the best optimized investment.

All the parameters of the winding process are completely controlled by the main PC, as well as by the single head self-diagnosis monitoring.

High productivity together with yarn and package quality level can be obtained thanks to the flexible and intelligent cycle in addition to the controlled and customized dynamic acceleration.

The direct drive of the moving parts and the specially designed suction fan allow a reduced energy consumption.

GEMINIS S: Two-for-one twister offered in different models, diversified by spindle gauge and dimension in order to match all market requests, from the finest yarns count to the carpet yarns with any type of material and blends: 4 spindle types and 4 spindle gauges are available. Particular care is given to the spindle design and drive, in order to optimize the feeding weight and minimize the energy consumption.



Savio XCL automatic winder.

Yarn path geometry and relevant parts are particularly polished to ensure the best yarn quality; pneumatic threading (standard feature) and the removable balloon basket make Geminis S a flexible machine. Waxing Device, axial displacement, yarn feelers locking device and inverter on spindles motor represent the additional options available.

Aiming at the world wide markets, Geminis S is also offered with "Duo-Pot", with elastomeric yarn technology, with machine length up to 360 spindles and double head stock.

Kern-Liebers Textile

Kern-Liebers is a worldwide supplier for systems vendors to the automotive, textile and consumer goods industries. Their group of companies develops and manufactures precision products made of steel strip and wire at over 50 locations around the world. At the highest level of quality.

Being a partner of the international knitting industry, Kern-Liebers offers the largest programme of the knitting elements worldwide, with more than 40,000 different types. Approximately 8,000 standard types are available at short notice from stock. These high-quality knitting elements are developed in close cooperation with all major machine builders.

The manufacturing programme comprises loop forming elements such as sinkers, jacks, selectors, sliders, wall inserts and precision components for large diameter circular machines, seamless hosiery machines, flat bed machines, single cylinder sock machines, double cylinder sock machines, fully fashioned machines (cotton frames) and weaving looms.

Grob Textile

With headquarters in Switzerland, GROB Textile AG maintains a concentration on product development in a tradition that dates back over 110 years.

Grob Textile AG will emphasize its innovation for the weaving industry, particularly the PosiLeno, a new leno binding system at its stand in Hall W1, F33.

PosiLeno is a positively controlled leno device for riderless heald frames, enabling production speed to be doubled. Its characteristics include:

- ❖ 100% higher production speeds on existing weaving machines.
- ❖ Infinite patterning possibilities with leno binding over a wide range of different warp yarns.
- ❖ Reliable binding through positively controlled doup frame.
- ❖ Simple, fast, and cost-effective article change.
- ❖ Optimized shed formation movements insure highest fabric quality while minimizing stresses on warp yarns, heald frames and leno healds.



Grob ALbasic Heald Frame.



Grob PosiLeno Leno System.

Mahlo presents Orthopac RVMC-12

Mahlo® is one of the world's leading providers of control and automation systems for the textile finishing industry. Their range of products and services sets new standards in terms of quality assurance and process optimization, and its explicit objective is to ensure best possible value for money, regardless of diverse the individual requirements.

Apart from many new developments in the field of process automation, Mahlo will present at hall W2, booth B64, a complete new combination of an automatic straightening machine and a process control system called Orthopac RVMC-12.

The construction of the Orthopac (X) RVMC-12 is very compact and versatile, and can be modified according to customer's requirements in a block building way. The machine is equipped with very sensitive scanning electronics, which incorporates an intelligent signal processing system and adapts itself to most fabric qualities.

Detection and automatic straightening of even most complicated and complex fabric constructions can be accomplished easily.

Other important systems presented at the show, includes an Optipac VMC-12 modular process control system that measures and controls dwell time, residual moisture, exhaust humidity, area weight etc; as well as the Qualiscan QMS-12 quality control system for traversing cross web measurement of area weight, moisture and thickness.

SDL Atlas

SDL Atlas will participate at the ShanghaiTex 2009 this year, presenting a broad range of textile testing products, supplies, consumables, and services available from a single source.

At SDL Atlas booth, there will be on display a digital Elmendorf Tearing Tester



M008E - Digital Elmendorf Tearing Tester.

complete with pendulum and calibration weights, as well as Atlas Ci3000+ system to conduct weathering and lightfastness testing.

The SDL Atlas Group of companies offers the largest range of textile testing, laboratory products and services available from a single source.

SDL Atlas operates from its headquarters in the United Kingdom, with a US based operation covering the Americas and multiple offices in China, headquartered in Shenzhen.

Stork Prints

Stork Prints is a global leading company in the textile and graphics printing market. Providing total system solutions: from screens, lacquers and engraving to a broad range of coating and rotary printing systems. Being the expert in electroforming this not only entails highly reliable rotary screen technology but also an extensive programme of precision metal products.

The group achieved worldwide a turnover of €180 million in 2008. Through continuous innovation and a powerful distribution network Stork Prints adds significant value to its customer's processes and products.

Stork Prints, a supplier of rotary screen printing, will showcase its extensive rotary screen consumables program, direct laser engraving and digital printing. The company offers a comprehensive consumables program of screens and lacquers. Specially suited for Stork's printing systems are the company's program of nickel rotary screens, which offer guaranteed stability and smooth printing results. The screens offer compatibility with all paste types, and are suited to achieve high quality results with all possible textile applications, in accordance with Stork Prints.

Its program of special screens has proved to be popular with textile printers, thanks to the screens' reputation for high performance, and ability to achieve fine detail, even with large paste particles. The special screens are commonly used to create effects such as glitter and full-surface printing.

For coating, it also offers a choice of screens that allow the desired yield values to be precisely achieved for each specific application. A range of screens is also especially available for transfer printing, wall cover printing and various coating applications such as interlining or nonwovens, Stork Prints says.

Stork Prints also provides digital engraving technologies, such as laser

engraving systems, offering a faster, more efficient, high quality, and eco-friendly approach to imaging.

Uster Technologies to launch new products targeted for Chinese operations

Uster Technologies serves the World's textile market, one of the three largest in the worldwide economy. Consumers of textile products around the world demand quality in the products they use, ranging from garments, apparel and home furnishings through to industrial and technical textiles such as safety belts and airbags.

Whether the requirement is to improve consistency of quality, increasing efficiency of the mill operation or optimizing cost of manufacturing, Uster will support the Chinese industry with know-how and experience that the company has gained by being involved in global operations over 60 years, the company explains.

Uster has a full range of instruments that allow spinning mills to control and analyze the quality, process and cost of their operation. With a series of products made for the Chinese market only, Uster has introduced products that are easy to operate and affordable for a wider range of clients in China.

This will make upgrading decisions in their quality control instrumentation easier. Also Uster will be launching new products that are specifically targeted to upgrade Chinese operations with an investment level that will pay back in term of increased efficiency, reduced cost of operation or improved quality.

Upgrading in terms of mill operation management is also an important factor to compete with global suppliers in a global market. Uster will be supporting the management level of spinning mills with the series of Expert systems, which can allow users to get a fast insight into their operation and manage either proactively or react fast finally resulting in improving profitability. Uster Technologies can be contacted at hall E2, stand B85.

Rock Chemie

Rock Chemie - Iran based company manufactures more than 200 chemicals, which are marketed to over 51 countries in the world.

At the upcoming ShanghaiTex, they will offer silicone and non silicone antifoam additive agents, concrete waterproofing agents and super plasticizer and replacement for STPP in washing powder. ♦