



Savio: A provider of Energy Saving and Industry 4.0 Winding solutions

Since 1911, the Italian manufacturer Savio is specialized in the yarn-finishing segment, being the leading supplier of winding, twisting and rotor spinning machines, with manufacturing plants spanning over Italy, China, India and Czech Republic.

Savio exhibited in Shanghai energy saving and Industry 4.0 solutions in the winding segment: Polar Evolution and Eco PulsarS winding machines, plus an Industry 4.0 corner with smart solutions for mill monitoring.

Polar Evolution winding machine: a high performance, energy saving and less labor-intensive product for the Chinese customers.

Polar winding machines have been recently developed to the Evolution series, gathering all the innovative solutions in terms of technology, efficiency, quality output and maintenance. A further step for Polar family to catch the world of I.T. connectivity and the new fibers applications.

The machine on display will be a round magazine feeding one, provided with an efficient and fast automatic doffer.

Eco PulsarS: with its innovative platform can save up to 30% power bill thanks to "Suction on Demand" system.

Eco PulsarS winding machine, with its sustainable eco-green advantage, replies to the market demand of energy saving, including room air conditioning, together with improved production performances, high quality packages and utmost automated solutions.

Energy is a major cost component in the textile industry. The rising energy prices, affecting fuel and electricity, have caused soaring costs in the process, thus reduced the competitiveness of textile products in some domestic markets, where imported products may be cheaper.

Suction represents 75% of the total energy of a winding machine. EcoPulsarS's solution of the "individual and independent suction unit per

spindle" represents a real break-through versus the conventional system. Each unit operates at optimum suction values without influencing the rest of the spindles. This means no more compromises in balancing the suction as in conventional centralized systems, in which the fan is permanently in operation. Since suction is generated only when needed, customer can save up to 30% power bill costs, while a better efficiency, a smoother winding process and overall superior package and yarn quality are achieved too.

Reduction of noise is another key aspect. EcoPulsarS combining all new features and design has created an environment in which each part of the machine can operate at its optimum level. Spindles and bobbins feeding systems set independently the level of suction required. Suction is generated as needed and used without losses. The new Controlled Cut System, Yarn Tension Control System, Waste Collection System and Upgraded Splicing Solutions, each

contribute to the overall reduction of noise and process downtimes.

Automation - Link system

The Savio Direct Link System (I/DLS) solution, for linking the ring spinning frames (RSF) to the winders, enables a fast and efficient direct feeding of bobbins, along with the full interfacing flexibility with all kind of RSF. From RSF bobbin to the final package, the yarn is processed untouched and with zero transit time, ensuring maximum quality, less material handling and no chances of contamination. Many important markets are investing on this kind of high-automatic systems for the production advantages that such solution offers, but also for guaranteeing the end-product quality. In order to satisfy each new developments on ring frame design, Savio

Direct Link System has been designed in a "modular type" granting the possibility of reaching the highest number of winding heads, to match the trend of the spinning frame manufacturers with longer and longer machines up to 2.000 spindles.

Savio Winder 4.0 – Smart Industry Solutions for Textile Mills

Once composed solely by mechanical and electrical parts, now winding machines have become complex systems that combine hardware, sensors, data storage, microprocessors, software and connectivity. These smart machineries can increase the efficiency of the spinning mill and perform predictive maintenance avoiding breakdowns and downtimes. Savio winding machines can be equipped upon request of Smart Industry Solutions for connectivity, data management,

remote machine set up and operator real-time interactivity. Savio Winder 4.0 represents an important step towards a wide digitalization process, being a solution for intelligent networking of machines in the spinning/winding room. This data management system is a very modern and important management tool, relieving mill management staff of time-consuming routine work. The mill manager can have the winding room live monitoring directly from his/her desk. Thanks to data analytics, a wealth of data are available, allowing to manage the different production phases in the best possible way and to monitor all significant parameters anytime and anywhere, making use of mobile devices. All these features enable Savio customers to control overall equipment effectiveness, increase workforce efficiency, and maximize quality and working time. ♦

SANTEX RIMAR GROUP presented the new surface finishing solutions

SANTEX RIMAR GROUP has presented the new surface finishing solutions under Sperotto Rimar brand: SOFTA – high speed brushing - and VELURA – high speed raising - running machines were exclusively showed during tradeshows days.

Cavitec is presenting CAVIMELT P+P LINE, the new hotmelt coating and laminating line with rotogravure system, perfect for sportswear productions, developed to be highly productive, precise, operator friendly and cost effective.

Smit is presenting the new GS980 F: The fastest free flight rapier machine for an outstanding terry quality. With seven different working widths, from 220 to 360 cm, SMIT GS980F is perfect for weaving terry towels or bulk terry, in one or several panels.

To further strengthen the dialogue between East and West opened in 2017 with FUTURE TEXTILE ROAD event in Urumqi (Xinjiang), SANTEX RIMAR GROUP have signed a partnership project with DONGHUA UNIVERSITY to keep exploring the growth of the new textile industry and building strong relationships

with international students to impact the textile industry further developments, in a cutting-edge dialogue between mechatronics and technology, textile engineering and machine manufacturing, study and experience.

Every year SANTEX RIMAR GROUP will award two among Donghua University best students with a scholarship and a training period at the headquarters based in Vicenza (Italy) - one of the most important Italian fashion and textile districts.

Mr. Wu Baogen, Deputy Director of Corporate Relations Office, Donghua University; Professor Xu, Deputy Dean of Textile College, Donghua University; Ms. Liu Wenwei, Party Deputy Secretary,

Donghua University; Ms. Yuan Haiyuan, Director of Admission Office, Donghua University attended the signing and awarding ceremony at SANTEX RIMAR GROUP booth on October 17th together with Ferdinando Businaro, SANTEX RIMAR GROUP President; Simone Rancan, Group CEO, Jack Zhao SANTEX RIMAR SHANGHAI General Manager; Rock Luo, SMIT SHANGHAI General Manager.

Wang Jue, senior student of Textile Engineering and Zhang Kun, majored in Textile Materials and Textile Design, are the officially awarded students of this first edition of DONGHUA UNIVERSITY – SANTEX RIMAR GROUP scholarship project. ♦

