

Savio: New SIRIUS Two-for-One twister

The partnership with the customers and markets represents the unique added value for the development of the technology on Savio Machinery. The technological growth is undoubtedly achieved only if customers needs are exploited and fully evaluated. ITMA ASIA+CITME 2010 represents an important moment where comments and suggestions will help to have further implementation on Savio products. ITMA ASIA+CITME has now become an appointment where Savio will exhibit at hall W2, stand A 70 the latest innovation in spinning technology. Savio is represented by Simag in Pakistan.



According to Savio, "We will attend this event with a very special feeling: in fact Savio is approaching the important anniversary of 2011, the centenary from foundation in 1911. This exhibition is thus the prelude of next year's appointment in Barcelona; we do want to let people know and appreciate even more our Company and our Products, highlighting what Savio does and has done in almost one hundred years of history".

Also this year Savio will display its most important products both in the winding and the twisting segment: **automatic winder model ORION, POLAR/I DLS "Link type" and the new SIRIUS Two-for-One twister**. This machine underlines Savio's constant engagement in R&D and in the continuous research for new solutions, which has distinguished Savio since 1911!

Machines on display

ORION - Automatic Winder

Automatic winder, manufactured at Chinese plant "Savio (Shandong) Textile Machinery", located in Jining, is 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.

The machine with manual bobbins feeding and manual packages doffing, completely controls all the parameters of the winding process by the main PC. In addition it has the self-diagnosis monitoring per each winding head. 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 drum acceleration. The direct drive of the moving parts and the specially designed suction fan allow a reduced energy consumption.

POLAR/I Direct Link System

The automatic winder "link type" has attracted a great interest in the Chinese market, because of the growing difficulty of hiring specialized labour. POLAR I/DLS introduces a new concept in automatic link winding: ergonomics and user friendly sophistication.

The yarn spinning industry, in a short span of time, has made a huge leap toward modernization. Simplicity and effectiveness are the pillars of the entire Polar project.

The POLAR/I DLS boasts a unique spinning frame to winder close loop feeding system, the winder being an extension of the same, ensuring total free flow of the materials. From ring frame 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. As the ring frames get longer, POLAR I/DLS comes in a modular hi-efficiency bobbin processing system, ensuring the best utilization.

The spindle's yarn path has been straightened reducing yarn deflections and each spindle now holds two - ready to wind - bobbins as stand by. In order to ensure the lowest power consumption, the suction unit is equipped with a high efficiency, inverter driven suction unit. A fully integrated suction management system ensures optimum suction generation that adjust itself to the actual demand from the machine. Thanks to this feature and the further refined spindle's Flexycycle, hard waste is reduced to the minimum.

NEW SIRIUS: Two-for-One twister

The new generation of Two-for-One twister is available in two models, M (mechanical driving system) and E (electronic driving system). The Sirius E model is equipped with independent inverters and motors which allow to set all processing parameters by the machine PC. This innovation derives from the electronic know how that Savio has experienced on other sophisticated products. The aim of this innovation is to drastically reduce the set-up times at every lot change. Consequently, the number of workers dedicated to each machine is reduced.

The simple touch screen PC allows to change settings continuously and no more "by step": the operator can obtain every possible combination of parameters in order to reach the best output working condition. Sirius E has been designed in compliance with the requirements collected from Savio customers with whom Savio is honored to share the fellowship. ♦



POLAR I/DLS- a new concept in automatic link winding.