

# INDIA ITME 2016

## 10th India International Textile Machinery Exhibition

Bombay Convention & Exhibition Centre, NSE Complex, Goregaon, Mumbai  
3rd - 8th December 2016



**INDIA ITME 2016**  
10th India International Textile Machinery Exhibition

India ITME event was conceptualized in 1979; its 1st event was executed in 1980 in Mumbai, India. Today this event has become backbone of Textile and textile engineering industry in India. India ITME has grown leaps and bounds to be one of the largest in this sector internationally.

The machinery modernisation is need of the hour & necessity. It helps in achieving (with less labour) better utilization & efficiency %, and better quality. The modernization also helps in overall cost reduction thereby enhancing the profitability. India ITME 2016 is going to work as a catalyst for those who are looking for ways to tap business opportunities of the future. The event serves to support & promote the textile industry by providing :

- Access to modern technology from across the globe
- Interaction with agents/distributors
- Creating new business opportunity for joint ventures, investments & setting up new units

Special focus on developing markets in Asia, Middle East & Africa. India ITME event is held once in every 4 years with support from industry associations, educational institutions & govt. bodies in India and abroad. During the last 35 yrs nine successful exhibitions have been held in India.



### **Bianco S.p.A showing eco-clean washing line 'Happy Scour' for MMF & elastomer fabrics at ITME India**

#### **Key Features of Bianco's 'Happy Scour'**

- Bianco Happy Scour eco-clean washing line removes enzymatic residuals
- Especially developed for fabrics produced from synthetic or elastomer fibres
- Printed or dyed fabrics appear uniform, compact and with a soft handle
- Happy Scour process offers best recipe for performance and cost saving.

Italian specialist of fabric finishing machinery, Bianco S.p.A is displaying the Bianco Happy Scour®, an advanced and eco-clean washing line to remove weaving oils with reduced economic and environmental impact at the upcoming ITME India in hall H5, stall A6 B5. With the Bianco Happy Scour®, it is now possible to obtain excellent quality fabrics at much lower costs than those incurred in traditional washing.

Bianco Happy Scour® has been especially developed for the finishing of knitted or woven fabrics made from synthetic fibre or elastomer, which are the most sensitive to shrinkage and have got the highest oil content. This technology can be successfully applied on all kinds of fabrics, which need to be washed before heat setting.

The Bianco Happy Scour® is mounted in front of a stenter and when combined with a traditional squeezing padder, allows continuous in-line preparation and fabrics are produced in a way, so do not need washing before dyeing.

Bianco Happy Scour® utilises a speciality chemical product for the scouring of oils, expressly developed for this purpose, which contains natural water-soluble compound; cleaning agent; dispersing agent and lastly a sequestering agent. The technology guarantees an absolutely tensionless process and furthermore the special treatment in the washing tank with nozzles, helps create a gentle and effective relaxation for the fabrics.

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By using this Bianco machine, there is no smoke at the stenter's entry and exit and after heat setting, fabrics scoured with Bianco Happy Scour®, also have a soft and natural handle, as all the oils are removed before the fabrics enters the stenter and do not get burnt into the fabric.

When using conventional technologies, the smell of knitting oils inside untreated fabric is unmistakable, but when processing them in the Bianco Happy Scour®, this smell vanishes, thus confirming that oils have been removed.

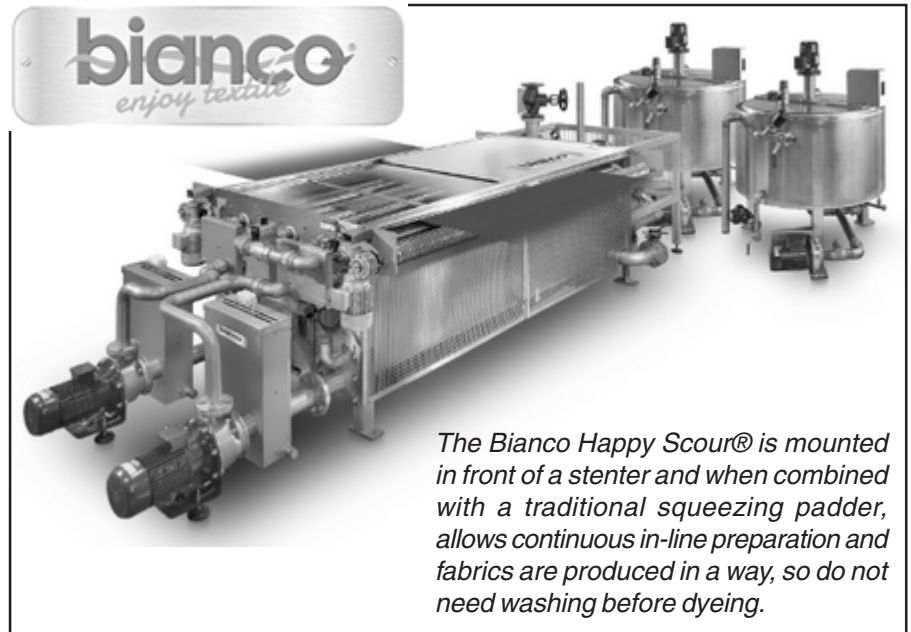
After heat setting, the fabrics which have been scoured in Happy Scour® will incur far less yellowing and have a better uniform tone compared to partially scoured fabrics, as fabrics scoured improperly will never give a perfect dyeing result. While printed or dyed fabrics appear uniform, compact and with a soft handle without adding softeners, when fabrics are processed on the Happy Scour®.

The shortening of the dyeing time, due to the absence of fabric pre-treatment has minimal damage on fibre; resultantly the fibre properties remain, almost unchanged. The Happy Scour® process also guarantees the best recipe in terms of performance and cost saving.

The consumption of water inside the washing tank is only given by the fabrics' absorption. The second rinsing tank gives excellent results, primarily due to the innovative nozzles washing fabrics on both sides, thereby leading to extremely reduced water consumption in the range of 4-6 litres per kg of fabrics.

### **About Bianco S.p.A:**

For over 40 years, Italy based Bianco® S.p.A has designed and manufactured machinery with advanced technology for textile and technical textile finishing and, more recently, for the fast-growing



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nonwoven fabric industry. Bianco offers a full range of machines and accessories for textile finishing entirely designed and manufactured in-house.

For more information please visit <http://www.bianco-spa.com/ENG/>

## **InspirOn to show advanced textile stenter Motex 15000 with new features at ITME India**

**Motex 15000 has 15% higher drying efficiency and higher operating speed**

**Has better safety features, consumes less energy and minimises waste**

**Offers better operational efficiency and lower operating cost**

Indian manufacturer of hot air stenters, InspirOn Engineering Pvt Ltd is showcasing a next generation Stenter, the Motex 15000 at ITME India in hall 5, stall H5C1. When compared with the earlier model Motex 4560, the new model consumes less energy, has better safety features, minimises waste, while offering better operational efficiency and maximum return on investment.

The Motex 15000, while also being manufactured in a sustainable manner, has been developed with unprecedented features and state-of-the-art aesthetics.

As against the Motex 4560, the 15000 offers 15% higher drying efficiency and higher operating speed. The Stenter enables the processor to achieve even drying and heat setting at higher evaporation rates with optimum energy utilisation, which translates into lower operating cost per metre of fabric.

The Motex 15000 also achieves consistent and reproducible results across the length and width of the fabric, even with larger overfeed adjustment range up to 80%. It ensures higher stretch, irrespective of the higher GSM of the fabric and is equipped with pin protection flapper for knitted fabrics.

The stenter requires lubrication once a year or even later, while offering easy access and retrieval of operating and maintenance manual through GUI. Its

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higher squeezing capability ensures optimum pick up percentage for specific processes like wet on wet finish with desired add on, resulting in better productivity. It comes equipped with a Tilting Trough with optimised capacity to reduce drain losses.

Inspiron has also recently unveiled a R&D Centre near Ahmedabad, which will undertake sustainable development projects to produce products of the best quality, innovative and user friendly technology, to meet and preferably surpass customer expectations.

Attached to the R&D Centre is also an Incubation Centre, which is equipped with a Demo Stenter for mills to undertake trials and test out their unique ideas, while also validating them under actual working conditions, before venturing into commercial production.

The Incubation Centre is equipped with a laboratory, library and conference cum training room and is manned by a team of process technologists and design professionals.

The vision behind setting up the R&D Centre and the Incubation Centre; include offering value added services to the customer; and demonstration of new features and/or standardisation of process parameters for various substrate on customer request.



The vision also includes acting as an effective link between emerging needs of customers and identifying newer scopes for R&D, while also providing services for technical consultation, process optimisation assignment, performance evaluation, etc.



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### **About Inspiron Engineering Private Limited :**

Inspiron Engineering Private Limited, is a family business with long drawn textile engineering expertise of serving global markets. Inspiron was set up in 1973 and quickly established itself as a key player in the segments it operates in. Today the company has strong roots in manufacturing of stenter machines and spinning accessories like flyers and also precision engineering components.

For more information please visit <http://www.inspiron.co.in/stenter/>

### **Rabatex has lined up impressive weaving preparatory technologies at ITME India**

High speed Sample Warping M/c suitable for yarn range between 5 to 500 Tex  
Sectional Warping Machine with friendly advance software & data management  
Single End Sizing Machine for producing sized yarn of the highest quality  
Rabatex creels for applications like glass fibre, geo grid, flat warp & monofilament  
Battery operated as well as manual material handling & storage equipments

Ahmedabad based Rabatex Industries, manufacturer of leading pre-weaving technologies, has lined-up the latest and innovative weaving preparatory technologies including battery operated as well as manual material handling and storage equipments, including accessories like creels for technical textiles applications at the upcoming India ITME exhibition in Hall 6, Stall No. H6D8.

Among its various technologies, Rabatex will showcase the High Speed Sample Warper, Sectional Warper Machine, Single End Sizing Machine; Battery operated Warp Beam Carrier with Healdframe support and Cloth Roll Doffer Carrier and also display creels for technical textiles at ITME India.

The Rabatex high speed Sample Warping Machine model RI 6001 is primarily

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for production of samples and short production warp at very high production rate. The RI 6001 has a robustly constructed warping drum, suitable up to widths of 2400 mm and for warping lengths between 21 and 450 metres (depending on thread density) and suitable for yarn range from 5 to 500 Tex.

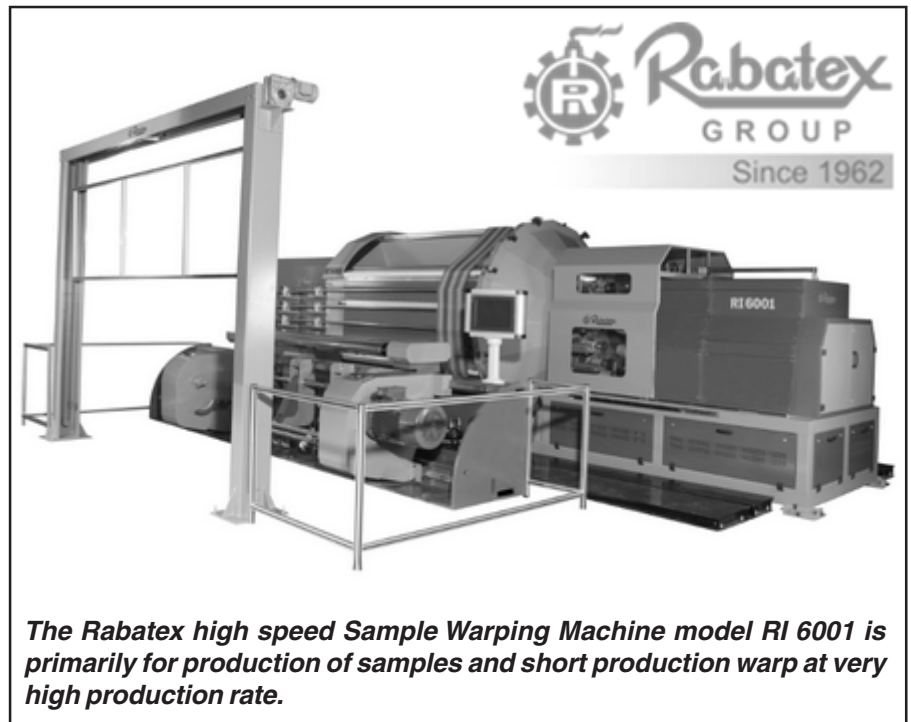
The RI 6001 comes with a heavy duty rotational creel with a maximum creel capacity of 16 colours and is suitable of attaining maximum speeds of up to 1,200 metres per minutes.

The Rabatex Sectional Warping Machine RI 112 is a state-of-the-art technology which produces high quality warp beams with higher productivity. The RI 112 comes with user friendly advance software and data management, which offers all online data of warping operations. It also offers graphical display of all events and breakages and also loss end memory control.

The ergonomically designed Single End Sizing Machine RI 8001 offers 4, 8, 12 and 16 spindle configurations and produces sized yarn of the highest quality to ensure trouble-free and smooth weaving operations. The RI-8001 is suitable for cotton yarn in the range of 10's to 120's Ne and polyester yarn in the range of 30 to 210 deniers, with option of dry steam or electric heater drying system.

The Rabatex Battery operated Warp Beam Carrier with Heald frame support VM 5003 is Beam Gaiting Trolley with a robust structure for lifting of beam with harness, dropper and heald frame. The VM 5003 comes with a battery operated hydraulic power pack unit, transportation module with battery life for continuous working of 8 hours.

Lastly, the Rabatex Cloth Roll Doffer Carrier Cradle VM 508 is designed to be compact and suitable for lifting and transporting a cloth roll in narrow gangways. The cloth roll cradle can be



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## Rabatex Industries



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Hall No. - 6, Stall No. - D8

lowered up to the ground floor. The cloth roll on the weaving machine can also be directly lifted and transported by the VM 508.

Rabatex also offers technologies for the fast growing technical textiles sector like Polybeamer with unrolling creel and creels for various applications like glass fibre, geo grid, flat warp, monofilament, etc.

"All our technologies, including those on display at ITME India are very robust and so require very less maintenance. We have developed these technologies through our in-house R&D team and go through rigorous tests before launching in the market," Mr

Hareh Panchal, Managing Director of Rabatex Industries said.

"The various accessories that are used in our machines are sourced from renowned multinational suppliers like Siemens, Mitsubishi, Danfoss, Allen Bradley etc, which also ensures that the machines or equipment we market, are long lasting and trouble free," Mr Panchal added.

### About Rabatex Industries :

Set up in 1962, the vision and mission of Rabatex has always been to develop advanced technology textile machinery through its passionate R&D team and in the process, offer our customers state-of-the-art machinery or equipment. This has resulted in acceptance of Rabatex technologies across major textile hubs like UK, Russia, Syria, Uzbekistan, Spain, Turkey, Egypt, El Salvador, Brazil, Nigeria, Pakistan, Nepal, Bangladesh, UAE, Yemen, Vietnam, Ethiopia, Chad, Kenya, Tanzania, Mauritius, Thailand, Sri Lanka, Indonesia and Ukraine.

For more information please visit <http://www.rabatex.com/>

## Italian Santex Rimar Group partakes in ITME India with all its brands

SMIT markets rapier weaving machines Santex offers finishing solutions for knitted fabrics Sperotto Rimar is a manufacturer of finishing machines for both woven and knitted fabrics Cavitec supplies machines for coating, laminating and impregnating composites Isotex provides coating, embossing and printing machines for synthetic leather, tarpaulins and airbags Santex Nonwovens markets thermobonding solutions Solwa offers solutions in different fields of water treatment

Santex Rimar Group, which has more than 100 years of history and also more than 10,000 customers all around the world, is participating in the upcoming ITME India trade show in Hall 5, Stall B13 together with its brands SMIT, Santex, Sperotto Rimar, Cavitec, Isotex, Santex Nonwovens and Solwa.

SMIT, which joined Santex Rimar Group in 2016, offers weaving machines with rapier weft insertion for home textiles, garments, terry cloths and customized solutions to produce special technical fabrics. SMIT Smart Platform is a structural architecture concept involving the whole machine project, from mechanics and electronics to communication systems and in the process, provides the most advantageous weaving opportunities and high levels of versatility.

Santex offers machines for finishing of knitted fabrics. Among machines for treatment of open width knitted fabrics, Santex offers; Santashrink Progress, an integrated treatment system for shrinkage; Santashrink Jumbo and Super Jumbo for tensionless drying, shrinking and relaxing; ESC: Energy Saving Chamber for optimised drying through green textile process;



*Santex Rimar Group is today expanding its presence in India, through the new organization of Santex Rimar India which will be the direct contact of the Group sales and service in the Country to ensure continuous support, improved quality and more efficiency for customers. Santex Rimar Group is constantly interested in being close to Country's developments and activities; thus, we are an official sponsor of the International Textile Manufacturers Federation (ITMF) Conference which will be held in Jaipur from 17th to 19th November.*

SANTEX  
RIMAR  
GROUP

SMIT SOLWA  
CAVITEC ISOTEX  
SperottoRimar 

Santacompact RD for levelling, steaming and compacting calander and Santasynpact also for levelling, steaming and compacting.

For the treatment of tubular knitted fabrics, the Santex portfolio includes; Santashrink for tensionless drying, shrinking and relaxing; Santaspread for steaming and compacting of tubular fabrics and Santastretch for dewatering and overstretching/wet onimpregnation.

Sperotto Rimar is known for being a leading innovator and manufacturer of textile finishing machines for both woven and knitted fabrics made from natural as well as synthetic fibres. Sperotto Rimar markets Decofast 3.5

for continuous decatizing process under pressure; Fixa for wool crabbing in continuous by overheated water under pressure; Multidecat, a continuous decatizing machine; Nova, a continuous solvent scouring machine; Plana for efficient atmospheric plasma for natural fibres and Universa for vaporizing fabrics without tension.

Cavitec is a premier supplier of machines and plants for coating, laminating and impregnating for composite products for aerospace, automotive, wind-power industries and for the resin impregnation of carbon, Kevlar or glass fibre.

Cavitec technologies include; Hotmelt

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for coating and laminating; Cavimelt, which is a rotogravure system; Cavi2Coat for multifunctional coating and laminating; Caviflex, a hotmelt laminating machine with exchangeable coating modules; Cavimelt PP is a plug and play solution, Cavipreg offers prepreg lines and Caviscat offers scattered coating and laminating solutions.

Isotex offers solutions in coating, embossing and printing machines for synthetic leather, airbags and other technical applications. Its products line-up includes Isobag for air-bags, Isobelt for conveyor belts; Isolab for pilot lines; Isorubber for rubber-coating fabrics; Isoskin for coating synthetic leather; Isowear for resin-coated production; Isoglass for fibreglass fabrics in technical use; Isotack, a solution system for self-adhesive materials and finally Isotarp for tarpaulins and banners.

Santex Nonwovens markets thermobonding solutions for applications like home textiles, hygienic and medical, geotextiles, automotive and industrial products. The unique air guiding system of Santex ovens guarantees highest production performance, uniform quality productions and constant temperature at minimal energy consumption.

Solwa represents the green innovative technologies division, marketing solutions in different fields of water treatment. Technologies from Solwa have won awards from several global organisations, like the United Nations and the European Union. Technologies from the division include; Drywa, which is an integrated system for drying sewage sludge and Solwa, a system to treat polluted or sea water with solar energy.

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## Swiss Technology at India ITME 2016

**SSM at ITME in Mumbai, India, 3-8 December 2016, Hall 1/Booth D17**

***Eight new product launches in the Winding & Doubling segments and one in the Air-Texturing are showed for the first time in India.***

SSM announces their participation of the forthcoming India ITME in Mumbai, from 3rd - 8th December. The 10th India International Textile Machinery Exhibition 2016 event is expecting participation from 95 countries with around 1500 exhibitors from across the globe in 17 chapters spanning the textile segment from raw material to finished products. The Swiss based SSM Schärer Schweiter Mettler AG, inventor of the electronic yarn traverse system, will attend the show with the presentation of breakthrough technologies.

*SSM also offers m/cs for False Twist Texturing, Air Covering, Draw Winding, Yarn Singeing and Conventional Covering.*

**SSMTK2-20 CT**



Special focus lies on the SSM X-Series: the machines (TWX-W/D, PWX-W and PSX-W/D) are the most economized winding solution, reduced to the max yet maintaining highest flexibility for any cost efficient winding application. Another eye catcher will be the SSM XENO – a modular platform covering all dye package winding, rewinding and doubling applications with three leading SSM winding technologies – as well as the well-known Sewing Thread Finish Winding machine TK2-20 CT for Cones.

*Machines for the following applications will be presented :*

- Dye Package Winding/Rewinding
- Air Texturing
- Assembly Winding (doubling)
- Sewing Thread Finish Winding

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## SAVIO @INDIA ITME 2016

**Bombay Convention & Exhibition Centre, NSE Complex, Goregaon  
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Hall 1 Stand D16**

India is ranked in the top five export markets of Savio, so the attendance at ITME is meant at massive level for being closer to the important customers, who are interested in Savio machinery for either their green field or expansion projects.

Savio will exhibit in Mumbai breakthrough innovations both in winding and twisting segment.

The latest innovation, Eco PulsarS winding machine, will be displayed for the first time to the Indian market, after the launch in Milan last year and the roadshow in Turkey and China.

There are important Savio's products on display at Itme, all representing high-end and niche products with important technological content:

- Eco PulsarS winding machine, latest model with sustainable eco-green advantage;
- Sirius TFO twisting machine, the worldwide flagship in high-end TFO segment.

Eco PulsarS winding machine, with its sustainable eco-green advantage, replies to the market demand of energy saving, including also room air conditioning, together with improved production performances, high quality packages and utmost flexibility. The combination of all new features and design has created an environment in which each part of the machine can operate at its optimum level and without limitations. Spindles and bobbins feeding systems set independently the level of suction required. Suction is generated as needed and used without losses. The



*Eco Pulsars, with its eco green advantage replies to a market which always looks for real proposal to improve the textile process environment for energy and air conditioning savings as well as and noise level reduction; all the aforesaid requests must be properly tied up to high machine performances, high yarn and package quality and process flexibility.*

*The combination of all new features and design has created a revolutionary winding process, if compared with the standard solution, where each part of the machine operates at its optimum level. Each single independent spindle and bobbin automatic feeding system set independently the proper level of required suction, thus reducing to the minimum the energy consumption value, while efficiency increases thanks also to the reduced unproductive cycles.*

*Particular focus has been addressed to the waste generated during the process, proposing a dedicated system able to separate the recyclable yarn waste, from the dust and impurities. Additional important solutions, as C.C.S. (Controlled Cut System) together with the new interactive tensioning device and wide range of splicers models optimized for any yarn type, further contribute to value this innovative machine.*

*ECO PULSARS I/DLS: direct link to Ring Frame feeding  
ECO PULSARS E: stand-alone autofeeding*

new Controlled Cut System, Yarn Tension Control System, Waste Collection&Separation System and Upgraded Splicing Solutions, each contributing to the overall reduction of the process downtimes.

### Benefits :

- EcoPulsarS with its innovative platform can save up to 30% power bill thanks to "Suction on Demand" system
- New Controlled Cut System to reduce repetitions
- New Yarn Tension Control System

- Innovative Waste Collection & Separation system to reduce and recycle yarn waste
- Friendlier to the user: machine control and diagnostics

SIRIUS TFO twisting machine responds to the demands of customers looking for a significant reduction in labor and energy. Besides the demand to sustain low investment costs and lower energy consumption, the customers also take on great importance time & maintenance cost.

This new model foresees a high structural standardization, a wide range

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both for feeding and spindle dimensions for every yarn type and count, electronic solutions to simplify the operator intervention and reduce the maintenance workforce. The Electronic Drive System (EDS) version differs from the mechanical version for the full flexibility of setting adjustments. The Sirius EDS model is equipped with independent inverters and motors, which allow setting all processing parameters by the machine PC.

### Benefits :

- Widest range of feeding solutions.
- Great selection of optional, covering all needs.
- E.D.S. (Electronic Drive System) & Inverter solutions to minimize setting downtime and enhance flexibility.
- Two-for-one twisting and precision winding in one solution.

The new Electronic Drive System allows to set via PC any working parameter, introducing an important flexibility element, that will drastically reduce both set-up times and labor requirements. It is possible to set :

- Spindle Speed
- Twist number and direction (S/Z)
- Winding angle
- Modulation (antiribboning)
- Thread-guide traverse
- Axial displacement
- Variable bunching length

Moreover the thread-guide electronic control allows to set not only traverse and winding angle, but also the yarn distribution over the package, thus improving design and formation, optimizing all the downstream processes.

Electronic Drive System allows customers to choose, among the diverse package shape :

- Standard packages
- "Pineapple" packages
- Rounded-edge packages

This system includes axial displacement, realized by the



**Sirius : TWO-FOR-ONE TWISTER**

*Middle and Far East countries, that constitute the key Markets for Two for one Twisters, are today showing requirements that until now have characterized the "Traditional" western markets. The new needs are diverse, not only among each Market area, but also throughout a single Market. The main requirement is to reduce workforce, which is becoming, day by day, more and more difficult to find, even if its costs are still strongly competitive if compared with the western markets. Moreover, apart from the need to reduce the initial investment costs as well as power consumption, a great number of Companies keep asking for products which can grant low maintenance times and costs. To meet those new requests, sometimes in contradiction one with each other, Savio has developed its brand new Two for One Twisters generation, Sirius, that is able to solve all the problems mentioned above.*

### **Sirius Electronic Drive System**

*The two for one twisters markets are more and more asking for a strong reduction in work force, especially in those areas, like China and other Far East countries, still characterized by competitive labor costs. To meet customers' requirements, Savio has developed Sirius Electronic Drive System, the innovative system available on our brand new two for one Twister Sirius. Sirius Electronic Drive System allows customers to set all the working parameters via PC. The main impact of this innovation is to decrease strongly the machine set-up time, thus reducing the number of operators for each machine, while introducing a simple and direct way to change any setting. Moreover, the new system allows to change settings continuously and not "step by step", as in the mechanical version, allowing customers to try any parameters combination, in order to obtain the best results. Sirius Electronic Drive System springs out from our great R&D activity, melted with the requirements and issues of all our customers in every working field.*

electronic thread-guide control, that allows the yarn distribution over package edges, to obtain a "Customized" Package design. The bunching length is settable by the PC, as well as its position on the package tube. The working parameters can be

varied continuously and not any more "step by step", thus allowing our customers to obtain the best results, both in terms of working speed and package formation. As consequence, maintenance is drastically reduced if compared with standard version.