

SAVIO SOLUTIONS WOOL

SAVIOSOLUTIONS

#WOOL

Currently wool counts 5% of the world's textile fiber production. Wool is one of the most interesting natural fibers on the planet and is the protagonist of a unique journey that starts from sheep fleece and finishes in the fashion world. Using ancient techniques combined with modern technologies, the wool fibers are transformed into soft and highly valuable fabrics and yarns, used by the best designers in the world.

Raw wool comes in particular from some Southern hemisphere countries, which alone supply over 90% of exports. These wools are partly merino and partly blended, with a clear prevalence of merinos (up to 80%).

Australia is the main producer, followed by China and New Zealand. Wool is the most important animal fiber that forms the fleece of various sheep breeds.

There are different varieties of sheep breeds that give wool with different fibers for thinness, length, shine and resistance. Wool is famous worldwide for its next-to-skin softness, strength, innate versatility and technical benefits.

Australian Merino wool's versatility extends from luxury fashion to high-performance active wear, underwear, leisure wear, accessories and homewares.

The recent increase in demand for technical garments has greatly improved the spread of wool in the sportswear sector.

The intrinsic properties of this natural fiber (effective control of odors, extraordinary breathability and excellent moisture management) cannot be matched by artificial fibers and protect the wearer from extreme temperatures.

Features of wool:

- 100% natural, renewable and biodegradable
- Extraordinary breathability
- Excellent moisture management
- Effective control of odors
- Soft on skin
- Wrinkle resistant
- Naturally elastic

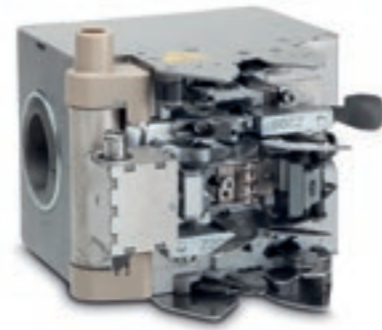
SAVIO SOLUTIONS FOR WOOL YARN PROCESSING

SAVIO OFFERS NUMEROUS SOLUTIONS FOR PROCESSING OF WOOL AND LUXURY YARNS. IN PARTICULAR, SAVIO WINDERS CAN BE SET UP WITH DIFFERENT FEEDING TYPES SUITABLE FOR THE WOOLEN SEGMENT (FEEDING WITH BOBBINS FROM 200 TO 450 MM, SELF-ACTING, PACKAGES AND REMNANT CONES). A COMPLETE SERIES OF ACCESSORIES ARE AVAILABLE FOR PROCESSING OF WOOL, CASHMERE AND CARDED, SEMI-WORSTED, COMBED, SINGLE AND TWISTED YARNS IN A RANGE OF TITLES FROM NM 1 TO NM 150.



HEAT SPLICER

Available on
Eco PulsarS Plus
Polar Evolution



The experience gained with air technology combined with the use of heat, allows the creation of aesthetically beautiful, resistant and reliable joints even with particularly difficult yarns, various blends and yarns with high twists.

Main field of application:

- Worsted wool and blends
- Semi worsted/woolen wool and blends
- Self-acting yarns - Mule spun yarns
- High twist yarns
- 100% wool and blends

WAXING

Available on
Eco PulsarS Plus
Polar Evolution



The waxing operation is carried out in order to lubricate the yarn by minimizing the friction coefficient with the mechanical parts with which it comes into contact. This operation is done on the yarns used for knitting machines, which require a good flow of the yarns. For wool and fine yarns, Savio is the only manufacturer that can supply the double motorized paraffin waxer, designed to guarantee an even more uniform deposit on the yarn and therefore satisfy the requirements of the knitting process in the most appropriate way.

“R” VERSION WINDER FEEDING FROM PACKAGES

Available on
Eco PulsarS Plus
Polar Evolution



R VERSION allows rewinding of packages of any taper, producing packages ideal for any subsequent use. The main fields of use are rewinding packages coming from the dyeing process, packages of different shapes and contents and packages remains.

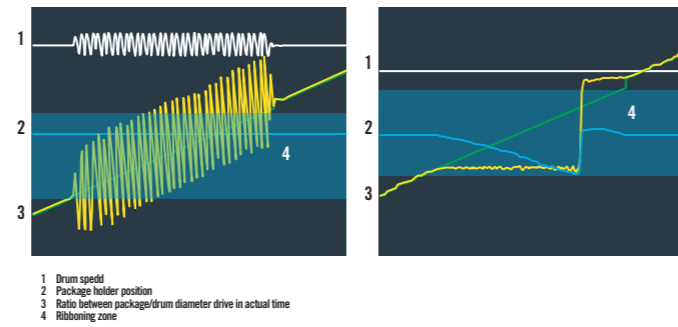
SPECIAL VERSION WITH FEEDING FROM LARGE BOBBINS 450 MM

Available on
Polar Evolution



While maintaining the same performance, flexibility and reliability features of the standard round magazine machine, Savio is the only supplier that offers a special machine configuration that allows to process large and medium counts, bobbin 450 mm, used in the carded wool sector.

COMPLETE SERIES OF ACCESSORIES TO GUARANTEE THE QUALITY OF THE YARNS



Savio winding unit is equipped with control devices to ensure perfect density, metering and perfect package formation. These accessory devices (C.A.D., C.A.M., C.A.P.) are suitable for the processing of the entire yarn count range from Nm 1 to Nm 150. These devices help to produce packages without ribbon and to guarantee the minimum possibility of breakage and slough-off during unwinding at high speed, especially in fine counts. The result is greater efficiency in downstream weaving and warping processes.

PACKAGE B-GRADE SYSTEM IN WINDERS WITH AUTOMATIC FEEDING

Available on
Eco PulsarS Plus



The Eco PulsarS Plus winder can be supplied with B-Grade system. A certain number of spindles can be reserved for winding bobbins with few non-standard defects rejected by the winding heads, producing small batches of “B series” yarn (hence B-Grade). This application is highly appreciated in fine and precious yarns because it allows to produce small batches of yarn of different quality, in an economic and efficient way, to be used for less noble productions, such as yarn for selvage or pieces for dyeing color samples.

MULTICONE THE DIGITAL YARN LAYERING TECHNOLOGY

Available on
Eco PulsarS Plus
Polar Evolution



The different downstream processes need a wide flexibility in the wound package construction, to optimize specific efficiencies. Cones for dyeing, warp, weft, knitting and twisting require completely different formation characteristics in terms of geometry, traverse stroke, shape of the edges and density. Savio Multicone electronic thread guide system is now the solution to achieve flexibility in package formation. This solution guarantees precise and controlled deposit of the yarn, especially in the areas of the package edges, where the dynamics are more critical because of stroke inversion effect.

SIRIUS DUO POT TWISTING MACHINE

Available on
Sirius



Savio's DUO POT system can be considered the real direct twisting of overlapped packages, it can be considered an “all-in-one” assembling and twisting. This allows to obtain a shorten production cycle by using standard conical packages. Consequently, the constant tension of unraveling the two independent cones and the absence of tangles are ensured, reducing to a minimum the defects and irregularities of the twisted yarn. The yarn obtained on the Two-for-One Twister is generally more voluminous, more swollen and of better appearance. These features improve the downstream production process, that is a better wearability in knitwear and dye uniformity.

INNOVATIVE AND DIVERSIFIED PRODUCT PORTFOLIO FEATURING BEST-IN-CLASS TECHNOLOGICAL KNOW-HOW

Since 1911, Savio has always looked to stay ahead of competition and predict important development across the global textile industry. As a leading supplier of winding machines for manufacturing yarns from short-staple fibers, Savio offers products and services that are tailored to satisfy every customer needs. Savio offer consistent mix of quality and efficiency, providing state-of-the art technological solutions for yarn quality control and allowing best value-for-money proposition.



COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =
= ISO 14001 =



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We reserve the right to modify the characteristics of the machines described herein without prior notice. The data given in this brochure are not intended as a guarantee. Savio machines are equipped with safety devices in compliance with existing regulations.