

SAVIO XCL automatic winder for Chinese market

Automatic winder with manual bobbing feeding and manual package doffing, completely assembled in Shandong ISTMA Textile Machinery, is especially suitable for the Chinese market among other Asian markets, who request high end yarns quality, high productivity, low energy consumption, low maintenance requirement, and lower investment cost. All winding process parameters are completely controlled by main PC, as well as by single heads' auto diagnosis monitoring.



SAVIO XCL automatic winder.

High productivity together with yarn and packages quality level can be obtained thanks to flexibility and intelligent cycle, as to controlled dynamics and personalized of the roller acceleration. Parts direct movement and suction fan with special design allow a energetic consumption reduction.

Electronic anti ribbon device, with self-adjustment linked to operating parameters, avoids useless accelerations and, moreover, the effectiveness of the system is guaranteed by Direct Drum Driving.

Working amplitudes and frequencies are set on the Inspector Control; also active during cycle acceleration; patterns on the package are minimized for a better use in the subsequent processes; axial displacement can also be used for dyeing packages.

Significant increases in winding efficiency thanks to a reduction in down times during the end piecing/bobbin changing cycle and cycle repetition are achieved by means of individual motorization and control of each single function.

- ❖ Independent movement of the package yarn suction nozzle.
- ❖ Independent movement of the bobbin yarn suction nozzle.
- ❖ Independent movement of the splicer.

No kinematic motion links the three functions, so if one of the two suction nozzles fails to hold the yarn, it must repeat its cycle, while the other waits holding the yarn. The cycle is completed with the splice only when both nozzles have brought the two ends of yarn into position.

All aspects of the winding process such as yarn quality, package quality, production quality, control of all peripheral units and energy consumption are controlled by the computer.

The Computer has a large touch screen and printer. The data is displayed in a descriptive and graphical form. Ethernet interface for connection to higher level information systems.

The peripherals' program can be updated directly on the PC (also with remote loading). Self-diagnosis of all the electronic functions. Signalling of the off-standard qualitative parameters.

Spindle Monitoring System: Each winding head is equipped with an alarm monitoring system. The operator is notified in real time of the ongoing alarm.

Savio Macchine Tessili operates in the textile machinery sector since 100 years, dealing with projecting, producing and marketing yarn finishing machines ranging from wool, cotton, linen and silk to synthetic fibers.

POLAR and ORION automatic winders, together with GEMINIS, GEMINIS S and COSMOS two-for-one twisters allow entrepreneur to dispose of yarn finishing complete line.

The modern open-end FLEXIRO-TORS 3000/Duo-Spinner rotor spinning frame leads the spinning sector to a high innovation product. For product range completions ESPERO VOLUFIL still today represents the only completely integrated machine for shrinkage and winding of HB acrylic yarns. ♦

Flainox range of processing machineries

Flainox is a well known name in dyeing, finishing and machinery construction, since 1968.

Their range of manufacturing includes machines for following applications:

- ❖ Dyeing loose-stock, tops, bumps, bobbins type **ATR/HT**.
- ❖ Special air finishing machine for fabric in rope form. mod. **Multifinish**.
- ❖ Rotary tumbler dryers for garments, socks and seamless mod. **Essiccatoi**.
- ❖ Dyeing bobbins at horizontal axis type **ATC/HT**.
- ❖ Dyeing of woman panty-hoses type **ATC/HT**.
- ❖ Dyeing of fabric at high temperature-pressure (HTHP) in rope type **PIROGA/HT**.
- ❖ Dyeing of knitwear type **AOM/C WOOL**.

They are specialized in construction of rotary dye-extractors for dyeing garments and seamless articles made of cotton and polyamide (i.e. body-size, underwear, swimwear, aerobic, sportswear, etc.) with final hydro-extraction of the NRP series.

Rotary dye-extractors for garments, socks and seamless of the ARC, NRP and EVO-2 series – atmospheric and high temperature – high pressure versions.

From the strictly technical point of view, there have been considerable development with regard to new solutions regarding conventional machines, as well as the success obtained with the machine for the special finishes of fabrics in rope types. ♦



Essiccatoi: Rotating dryer tilting type for garments and "seamless" products.