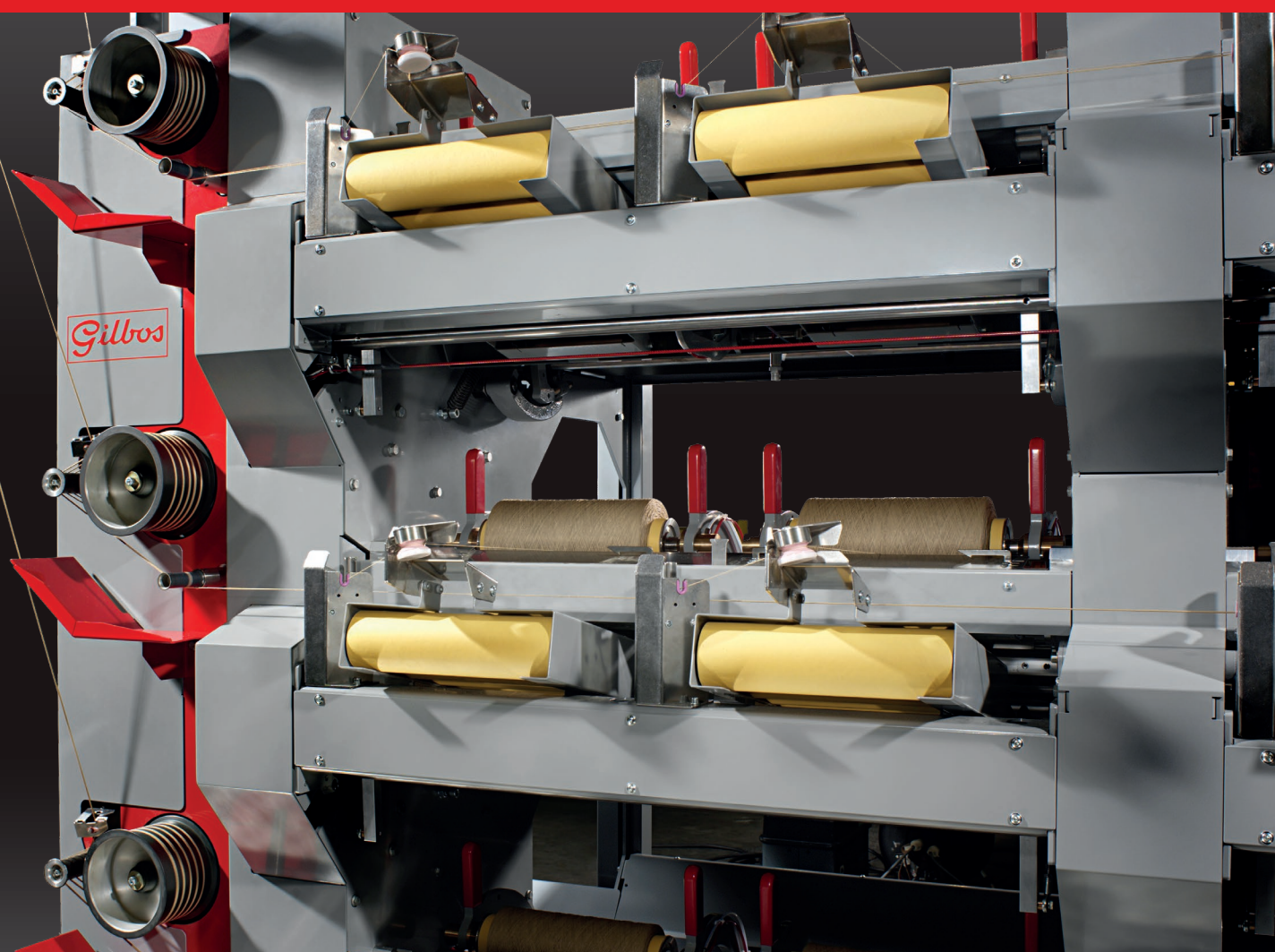


# SmartTakeUp

MULTIPURPOSE  
TAKE-UP WINDER



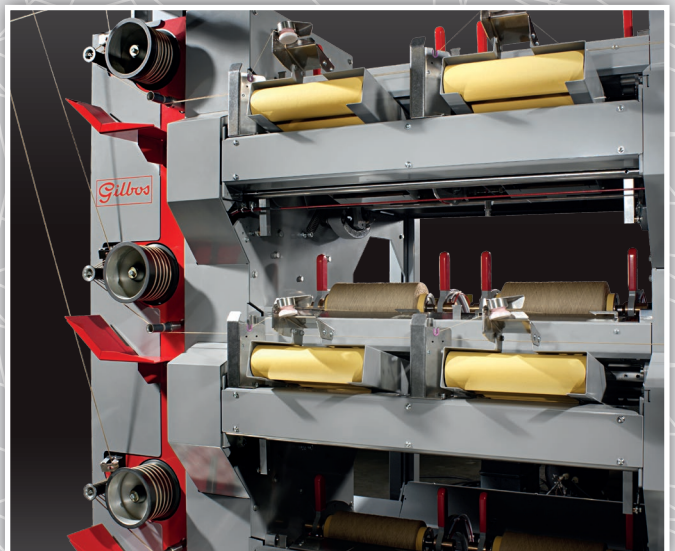
YARN WINDING & PROCESSING MACHINES

*Gilbos*

# SmartTakeUp

## SMARTAKEUP & SMARTAKEUP CD

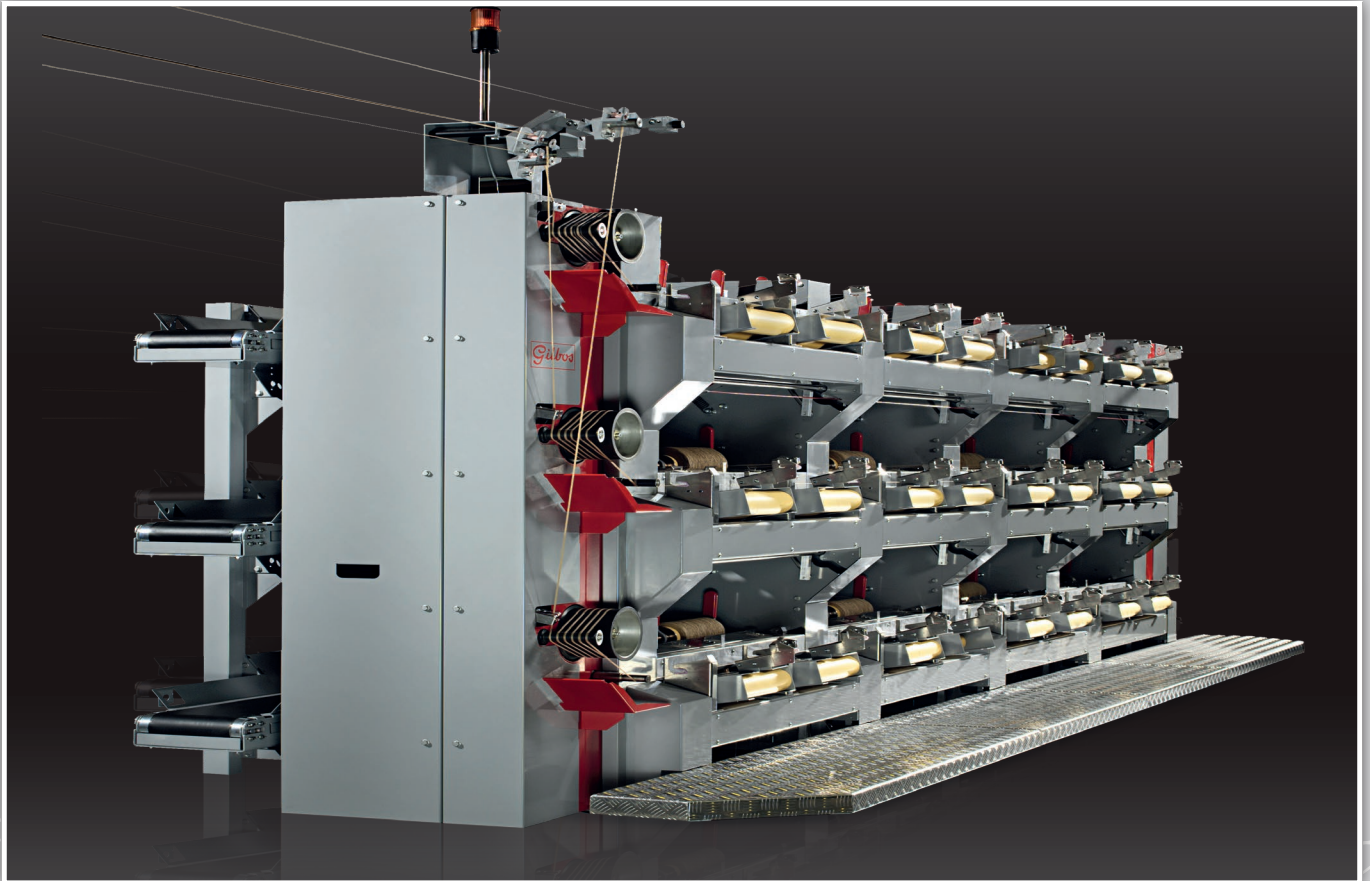
- Multi-purpose take-up winder designed to operate in line with multiple-end continuous yarn processing machines, which supply separate yarn bundle(s) with several ends.
- The number of spindles per installation can vary according to the number of processing lines and the number of ends per processing line. The minimum number of spindles is 18 and maximum 96, with a spindle pitch of 550 mm.
- Freely adjustable take-up speeds per deck up to 750 m/min, with programmable jump speed, increasing the winding speed by 10 up to 30 %. The effective winding speed is in function of the yarn specifications (count, material, number of ends and others) and the angle of winding.
- Standard P-winding. Optional P- and Q-winding selectable just by changing a user parameter.
- Common automatic doffing of all the packages per deck when the pre-set yarn length is reached. The complete doffing cycle only takes 15 seconds. Each magazine holds 6 empty tubes.
- Length programmable tag-ending tail at the beginning of each new package. The tag-ending tail is parallel wound under the yarn layers and can easily be pulled out. Winding onto cylindrical or conical packages, standard traverse is 10 inch.



- Yarn guiding through linear guiding system with separate motor and drive. Random winding with freely adjustable winding angle. Electronic anti-ribbon system.
- Positive and equal take-off of each yarn bundle from the corresponding processing line by a set of driven rollers per deck.
- Driven conveyor belts with electronic photocells to evacuate the full packages to the end of the machine.
- Electronic yarn detection per end in front of each winding unit stopping the complete deck or machine immediately when a yarn end is missing.
- Special surface protection on all parts which are in contact with the yarn in order to avoid yarn damage during the splitting and winding process.
- The number of yarn ends on each deck can easily be limited by switching off yarn detectors.



**SMARTakeUp**  
INDIVIDUALLY DRIVEN AND CONTROLLED PER DECK



**SMARTakeUp CD**  
COLLECTIVELY DRIVEN



# SmarTakeUp

## TECHNICAL SPECIFICATIONS

Material	PP, PA & PES BCF yarns - Spun yarns
Count range	600 to 4.000 dTex or 540 up to 3.600 den
N° spindles	18 to 96 per heatset line
Winding speed	up to 750 m/min. or 685 yds/min.
Package type	250 mm traverse (10") – cylindrical or conical*
Package diameter	up to 410 mm or 16"
Electrical supply	3 x 400V or 3 x 480V + PE – 50 or 60 Hz
Compressed air supply	min. 6 bar or min. 88 psi
Air connection	1/2 inch supply
Machine and process control	HMI with touch screen & plc control

\* SmarTakeUp CD only

### GILBOS winding and processing machines for:

Rewinding  
Rewinding + CMS  
Assembly winding  
AirEntangling  
AirTwisting  
SmarTwisting  
Heatset winding

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All technical details, descriptions, illustrations, dimensions and other particulars in this brochure are given in good faith, and can be subject to change without notice.

The Gilbos logo is written in a stylized, red, cursive script font. It is enclosed within a thin red rectangular border.

YARN WINDING & PROCESSING MACHINES



**BELGIAN QUALITY**  
Textile Technology