

®

SMART
FEED

WINDING FEEDER

Universal Tension Feeding Control

Universal System for
Yarn Preparation Processes



UNI EN ISO 9001-2000 14001-96



Output accessory
To put up yarn tension device.



Input accessory
Complete of pre-tensioner disk.



Separator
Adjustable yarn coils separator available with diamond ceramic or chromium plated steel.



Display
Large graphic display which allows a quick real time reading of all necessary information. Function keys for an easy access of the system menu.



Matrix Winding
Advanced On-board machine terminal for easy data upload and download and real-time data displaying such as yarn consumed and yarn tension, setup meter counter TARGET.

THE UNIVERSAL SOLUTION FOR YARN PREPARATION PROCESSES

WINDING FEEDER is BTSR last generation solution specifically developed for yarn preparation processes (winding, doubling, copping, twisting, texturing, interlacing, ...) able to guarantee yarn constant tension feeding in every working condition.

Thanks to the new full digital technology, featuring a dual control on yarn feeding and yarn running speed, WINDING FEEDER is able to guarantee absolute performance in terms of system acceleration/deceleration dynamics control with a very high resolution measurement capability (0.1 mm) of the yarn fed to the process.

WINDING FEEDER guarantees top performances independently of the speed at which the textile machine is running (either very high or very low speed). Yarn feeding tension is kept constant even when the yarn package tension is subject to change due to environmental conditions such as humidity, temperature, etc. or when the yarn packages are gradually emptying during the normal working process.

A compact solution for very easy installation, fully programmable (tension, INC-DEC values, % tolerances, ...) featuring high versatility, all yarns types feeding capability (bare and covered elastomers, glass and carbon fibers, technical fibers, very thick yarns), precise meter counter function: WINDING FEEDER is the universal solution able to satisfy the most demanding yarn preparation operators applicative needs.

Main Technical Features:

- Compact device: 286 x 86 x 109 cm.
- Programmable tension: 0,5gr. ÷ 1000 gr.
- Yarn Feeding speed: up to 2.500 mt/min.
- Graphic Display for easy real time working parameters monitoring.
- Tension Profiler Function: yarn tension increment – decrement automatic function possibility during the working process phases.
- Target Function: possibility to set a production target in meters with the relative automatic machine stop.
- Error tension alarms.

Main Application, Benefits:

- All yarns feeding capability.
- TOP Product Quality – Excellent package density and homogeneity / soft winding low tension capability.
- Yarn waste reduction and breakage prevention.
- Capability to operate in "head and tail" modality in 'continuous way' (no machinery stops) as yarn packages get empty.
- Precise Meter Counter Function for a perfect yarn package measurement
- Yarn Consumption Self-learning Function, with machine STOP in case of deviation from 'learnt' value.