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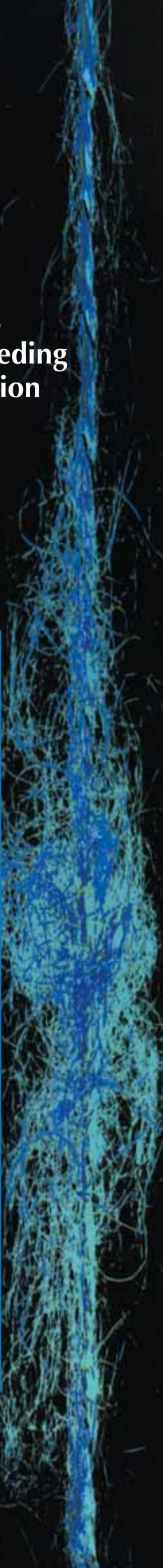
FEED

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ROLLING FEEDER

**The Bare Elastomers
Constant Tension Feeding
& LFA Control Solution**

**A New Concept Device for
Bare Elastomers Feeding
Seamless and Knitting
Applications**



UNI EN ISO 9001-2000 14001-96



Easy Yarn Bobbin Change-over

Extremely simple and quick yarn bobbin change-over operations, thanks to the special B TSR user-oriented mechanical system.



Display

Large graphic display allowing a real time reading of all necessary information (yarn LFA, tension, ...).



Integrated Tension Sensor

Fully-integrated high-precision tension sensor allowing the system to work at the desired LFA / constant tension value (B TSR Patent Pending).



Led Keys

Ergonomic keys for easy operations and synchronized alarm signaling (green leds OK, red leds ALARM).



Smart matrix terminal

Advanced user-friendly controller for working parameters memorization, visualization and control even in graphic way (i.e. yarn feeding tension, LFA, ...).

INNOVATION IN BARE ELASTOMERS FEEDING CONTROL

ROLLING FEEDER represents a breakthrough innovation solution from B TSR R&D devised to impact seamless and knitting sectors habits and trends tied to bare elastomers applications.

ROLLING FEEDER is a unique solution on the market, thanks to its capability to combine in a single device the flexibility and user-friendly use of B TSR Constant Tension Feeding Technology with the product top quality resulting from bare elastomeric yarns feeding at constant LFA/speed. Thanks to the B TSR self-adaptive electronic technology, ROLLING FEEDER is infact able to work at constant tension yarn feeding during yarn 'start/stop' working phases (or during strong yarn pattern selections) and to automatically shift at constant LFA / speed feeding during the garment production.

Based on derulè yarn reeling-off working concept, ROLLING FEEDER is a unique solution on the market, thanks to its capability to combine in a single device the flexibility and user-friendly use of B TSR Constant Tension Feeding Technology with the top-quality product requirements resulting from bare elastomeric yarns feeding at constant LFA/speed (B TSR Patent Pending).

ROLLING FEEDER System features the B TSR Patent Pending 'Double Working Modality Master-Slave' System (derulè at constant tension / derulè at constant LFA), with possibility to select a single or multiple devices as MASTERS and a group of units as SLAVES, thus guaranteeing the absolute stitch matching, preventing yarn plating faults in vanisè process and guaranteeing Top quality garment production. Combined with ULTRAFEEDER devices (MASTERS) installed on the machine for background yarns feeding control, ROLLING FEEDER (SLAVES) are able to work at a constant 'stretch ratio', thus guaranteeing a fully automatic constant yarn feeding / stretching and Top Quality repeatability.

ROLLING FEEDER is designed for enhance operators working life by minimizing and simplify man-labour operations, thus guaranteeing the most demanding production efficiency goals achievement and getting the TOP Quality Production.

Main Features / Benefits:

- Bare elastomers feeding capability in seamless and knitting applications
- Derulè yarn reeling-off
- Automatic Double Electronically Controlled Yarn Feeding Capability: yarn constant tension - yarn constant LFA / speed
- Programmable tension: 0,5gr. ÷ 50 gr.
- Yarn Feeding speed: up to 1000 mt/min. (@ 24 V /36 V)
- INC/DEC function: possibility to INCrease or DECrease gradually the yarn tension / yarn LFA with a resolution of 0,1 gr (0,1 mt/ min)
- LFA function: exact yarn consumption measuring (Length Yarn Absorption) with resolution of 0,1 mm.
- B TSR Master-Slave System
- Yarn 'twisting effect' elimination (flat yarns)
- Yarn plating faults prevention in vanisè process
- Absolute stitch matching and top-quality production repeatability
- Automatic constant yarn 'stretch ratio' (only in combination with ULTRAFEEDER devices installed for background yarns feeding control)
- Extreme user-friendly operations
- Very High machine efficiency
- Retrofittable on any machine