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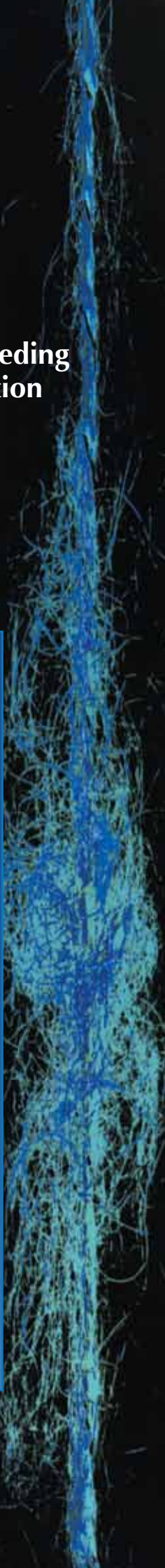
FEED

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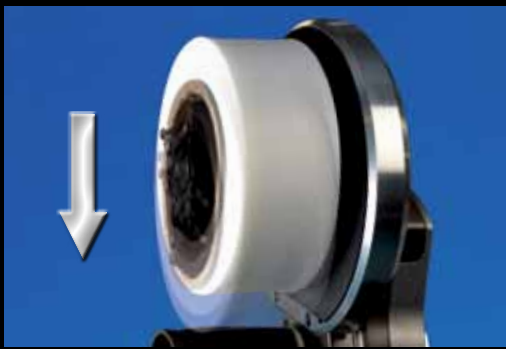
ROLLING FEEDER

The Bare Elastomer Constant Tension Feeding & LFA Control Solution

A New Concept Device for Bare Elastomer 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 operate at the desired LFA / constant tension value (B TSR Patent Pending).



Led Keys

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



Smart matrix terminal

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

INNOVATION IN BARE ELASTOMER 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 elastomer applications.

ROLLING FEEDER is a unique solution on the market, thanks to its capability to combine in a single device the flexibility and user-friendliness of B TSR Constant Tension Feeding Technology with the product top quality resulting from bare elastomeric yarn feeding at constant LFA / speed.

Thanks to the B TSR self-adaptive electronic technology, ROLLING FEEDER is infact able to operate at constant tension yarn feeding during yarn "start/stop" working phases (or during strong yarn pattern selections) and to automatically switch to constant LFA / speed feeding during the garment production.

Based on derulé yarn reeling-off working concept, ROLLING FEEDER technology allows to eliminate yarn 'twisting effect' (flat yarns) and to guarantee the capability to feed elastomeric yarns at constant speed/LFA. ROLLING FEEDER System features the B TSR Patent Pending "Master-Slave Dual Working Mode" solution (derulé at constant tension / derulé at constant LFA), with possibility of selecting a single (or multiple) device as MASTER and a number of devices as SLAVE associated with the MASTER and reproducing exactly the same MASTER behaviour, thus guaranteeing the absolute stitch matching, preventing yarn plating faults in vanisé process and ensuring Top quality garment production. Combined with ULTRAFEEDER devices (configured as MASTER) installed on the machine for background yarn feeding control, the ROLLING FEEDERS (configured as SLAVE) can operate at constant "stretch ratio", thus guaranteeing a fully automatic constant yarn feeding / stretching and Top Quality repeatability.

ROLLING FEEDER is designed to minimize and simplify the operator tasks, thus guaranteeing the achievement of most demanding production efficiency goals and getting TOP Quality Production.

Main Features / Benefits:

- Bare elastomers feeding capability in seamless and knitting applications
- Derulé yarn reeling-off
- Automatic Double Electronically Controlled Yarn Feeding Capability - yarn constant tension - yarn constant LFA / speed
- Programmable tension: 0.5 gr. ÷ 50 gr.
- Yarn Feeding speed: up to 1000 mt/min. (@ 24 V / 36 V)
- INC/DEC function: possibility of either INcreasing or DECcreasing gradually the yarn tension / yarn LFA with a resolution of 0.1 gr. (0.1 m/min)
- LFA function: exact yarn consumption measuring (Length of Yarn Absorption) with resolution of 0.1 mm
- B TSR Master-Slave System
- Yarn "twisting effect" elimination (flat yarns)
- Yarn plating faults prevention in vanisé 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