AUTOMATIC CONSTANT TENSION WINDER
B403
AUTOMATIC CONSTANT TENSION WINDER

- For carpet yarn & low elasticity yarn
- Individually driven spindles
- Fully automatic doffing
- Individual bobbin length metering

- High performances winder
- Up to 96 bobbins

WINDING at CONSTANT TENSION
- Individual yarn tension controller
- Winding speed controlled for adjustable constant tension and no yarn stress
- Tension control is also used to detect yarn break (100% detection with any yarn type)
- Precise metering of each bobbin length
- Suitable for low elasticity yarn (e.g. FDY)

ERGONOMIC & SAFE
- Light barrier for operator protection during doffing cycle
- Easy threading and package access at the front of the machine
- Quick automatic doffing cycle
- Adjustable pre-feeding rollers
- Manual bobbin lifting & arm opening possibility

ELECTRONIC CONTROL
- Fully PLC controlled with a 16/9 color-touchscreen
- High level of reproducibility thanks to unlimited number of textile recipes
- Individual bobbin follow-up, alarm reports, tension control report ...
- TEXCONNECT compatible (cloud/IoT/4.0)
Each spindle is driven by an individual DC motor. The winding speed is regulated according to the yarn tension sensor thus enabling a constant and adjustable winding tension, as well as a precise bobbin length metering (= reduced waste for tufting).

Thanks to the individual motors, the stopping time is drastically decreased (down to 1 second), thus enabling the yarn bundle to remain thread-up in the guides and to significantly decrease the downtime in case of a yarn break for a higher efficiency.

The tension sensor also enable to detect any yarn break and to provide a full tension report in the cloud (TEXCONNECT / Factory 4.0).
We imagine, build and integrate innovative textile systems for flooring qualities, home linen, fashion fabrics and technical textiles.

Sharing inspiration and expertise with our customers worldwide, we shape the textile industry of the future.

Creating success for them all, from yarn to finished product.