

Ring spinning
EliTwist

Suessen

EliTwist



Two-ply compact yarn directly
from the ring spinning frame

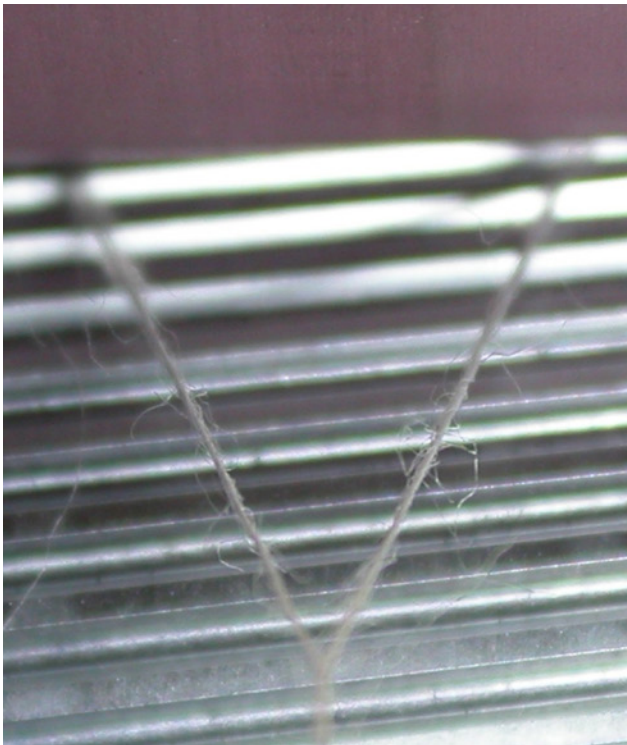
EliTwist

Two-ply compact yarn directly from the ring spinning frame

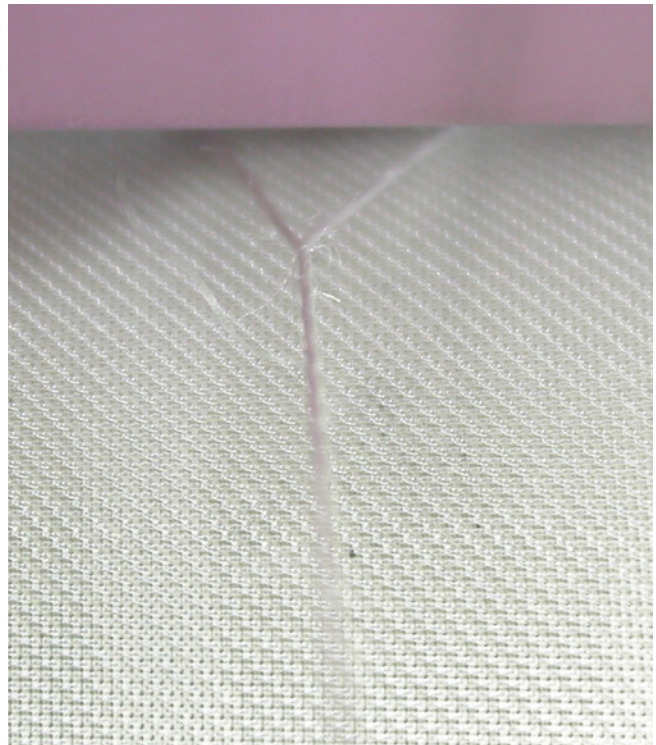
The EliTwist spinning method combines compact spinning and twisting of a yarn in one single operation. It produces a two-ply yarn with identical direction of twist in both yarn legs.

The twisting triangle is very small and the ends-down rates are very low even at high spindle speeds.

The specific yarn design of EliTwist has succeeded in further improving the excellent textile and physical characteristics of a single compact yarn already known.



Twisting triangle in standard Siro spinning



EliTwist twisting triangle

Typical properties of EliTwist yarn

- Superior yarn strength and maximum work capacity owing to excellent fiber substance utilization
- Very good yarn evenness as a result of doubling
- Round, compact yarn cross-section
- Very low hairiness values
- Smooth yarn surface
- High resistance to yarn slippage
- Good abrasion resistance

Economic efficiency

- Compact spinning and twisting in one operation
- Significant production increase on ring spinning and winding machine
- Doubling and twisting are avoided
- Spindle speed and ends-down achieve the level of single compact yarns spun in the same yarn count

Wide scope of application

- Principally no restriction regarding raw materials; fiber blends are also possible
- High-grade shirt and trouser fabrics
- Light gabardine fabrics
- Increasingly used for knitwear
- Special two-ply yarns with high strength
- Industrial fabrics

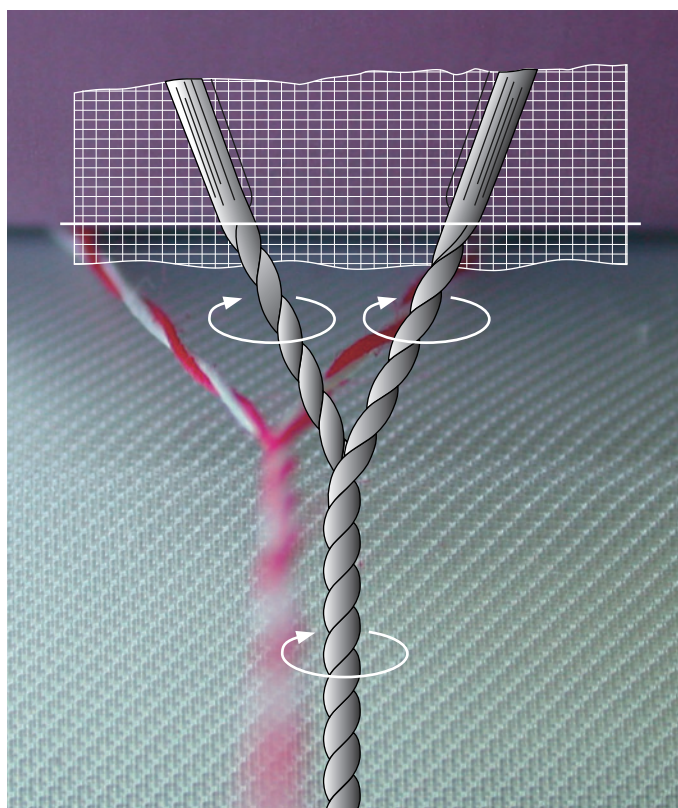
Depending on the fiber material, even the smallest yarn twist coefficients are possible. As a rule, the optimum twist coefficient of EliTwist yarns is between the twist coefficient of a single yarn and the ply-twist coefficient of a conventional S/Z two-ply yarn.

Splicing of EliTwist yarns is technically possible and has been solved by all manufacturers of winding machines.

EliTwist can be retrofitted to all EliTe and Fiomax E spindles already installed.

Furthermore, all ring spinning machines that can be equipped with EliTe CompactSet are fit for EliTwist.

Changing from single compact yarn to compact two-ply yarn and vice versa can be rapidly and easily realized on a machine. The features only differ with regard to the EliTube.



Production of core yarns with EliTwist

The structure of EliTwist yarns provides new approaches for the production of core yarns and other special yarns. The core yarn device developed by SUESSEN for this purpose allows to spin core yarns with perfect covering effect by feeding the filament into the center of the twisting triangle.

The EliTwist method is the most cost-effective process available worldwide for the production of compact two-ply yarn. The technological yarn parameters achieved are unsurpassed.



Spindelfabrik Suessen GmbH

Donzdorfer Strasse 4

73079 Süssen

Germany

T +49 7162 15-0

F +49 7162 15-367

mail@suessen.com

www.suessen.com

The data and illustrations in this brochure and on the corresponding data carrier refer to the date of printing. Suessen reserves the right to make any necessary changes at any time and without special notice. Suessen systems and Suessen innovations are protected by patents.

3634-v1 en 2309 · SLP.0103EN 09.23