

twister winder LT 300

two-for-one-twister



LT 300	
Denier Range	4,000 to 120,000
Max Flyer Speed	3,500 rpm
Twists Range	20 - 96 twists/mt
Twist Direction	S or Z
Spool Dimension	6" to 12"
Spool Weight	13 kg for 12" x 12"
Main Motor	7.5 kW
Energy Consumption	6.0 kW
Machine Weight	1,470 kg
Dimensions (L X W X H)	2,440 x 1,100 x 1,470 mm

LA 1600	
Motor with Inverter	1.5 kW
Max. Take Up Speed	200 m/min
Max. Yarn Capacity	1,600 m
Machine Weight	475 Kg
Dimensions (L x W x H)	2,350* x 1,462 x 1,800 mm

The maximum speed is dependent upon the tape specification and operating conditions.
 *Customisable up to 2700 mm upon request.
 Specifications are subject to change without prior notice, due to continuous developments. These are indicative and not binding.
 The pictures may show optional equipments that are not a part of the standard supply.
 For details, refer to the quotation.

OPTIONAL EQUIPMENT

- Tapered mandrel with pneumatic push off, for tubeless type bobbin
- Interchangeable cam shaft for different traverse length (6"/8"/10"/12")
- Tower light indicator for "bobbin completion" alert
- Additional cooling for inlet motor in case of low speed operation
- Ceramic eyelets for shear sensitive materials like polyester
- Colour sensors in accumulator

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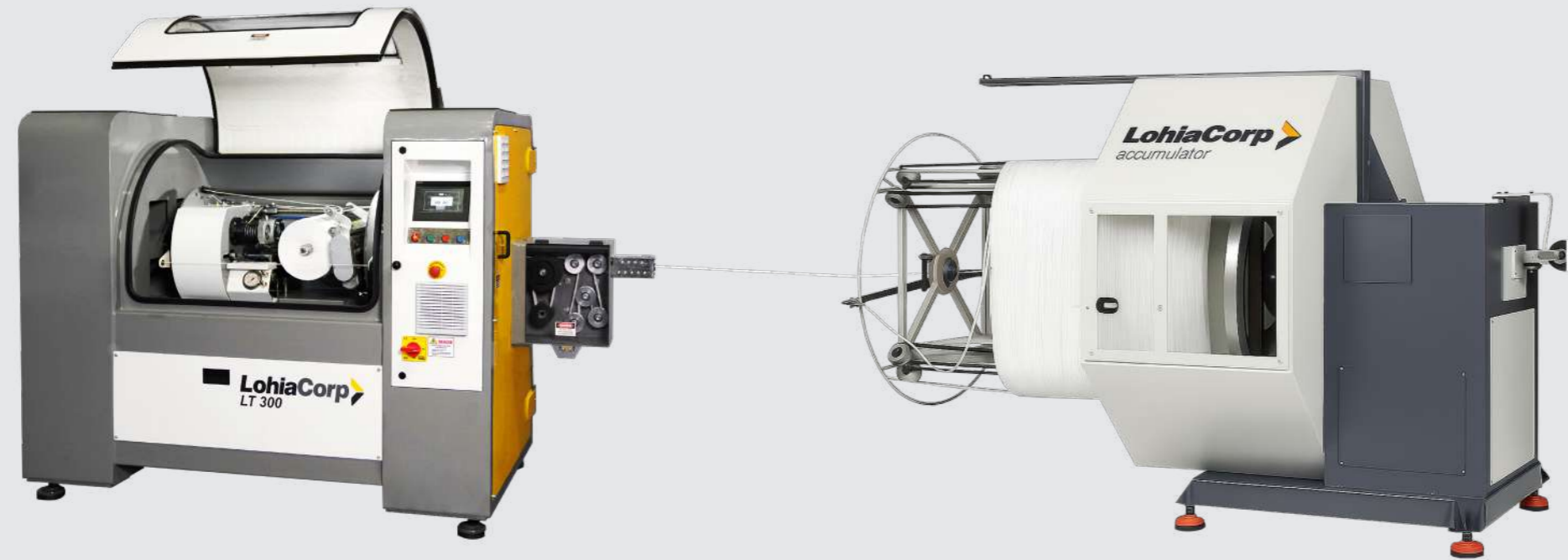
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- Uniform Winding Tension
- Ergonomically Designed
- Low Energy Consumption
- Low Maintenance Cost



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Denier Range
4,000 to 120,000

Speed
3,500 rpm

Twists
Upto 8,000 twists/min

Twist Range
20 - 96 twists/mt



SMART PLC CONTROL WITH INTUITIVE HMI

Full command of operation with advanced PLC control and an easy-to-use HMI interface. Gain real-time insights, track every parameter, and optimize performance with precision — all at fingertips



PRECISION INLET SYSTEM WITH BRAKING MOTOR & ENERGY RECOVERY

Engineered for accuracy, the yarn inlet system features a high-performance braking motor that delivers precise balloon control inside the basket — ensuring exceptional twisting stability and maximizing output consistency.

The braking system doesn't just slow the yarn — it powers your production. As it applies tension, it generates electrical energy that's fed back to the main motor, delivering smart energy recovery and lowering overall power consumption — a powerful advantage for cost-efficient, eco-conscious operations.

The **LT 300** is an industrial twisting machine used for applying two-for-one twist to natural & synthetic yarns and fibres (including plying of pre-twisted yarns), primarily for use in production of ropes, twines, baler twines, tying twines, industrial fibres etc. Inputs ranging from raffia tapes, mono & multifilament yarns, paper, cotton and more covering from 4,000 to 120,000 denier can be processed on LT 300.

- Precision-engineered interchangeable gear mechanism delivers a broad range of twists per meter — tailor-made for every application.
- Flexible configuration with both pneumatic and mechanical options, compatible with tube and tubeless bobbins — built for your workflow.
- Heavy-duty mono-block frame ensures ultra-stable, vibration-free operation with noise levels under 80 dB.
- Optimized twist dynamics with ultra-low friction paths — preserving maximum tenacity for premium end-product performance.
- Advanced hydraulic system guarantees consistent winding tension across the bobbin — no variation, just perfection.
- Ergonomically built with enhanced safety, intuitive controls, and low-maintenance access — engineered for ease, built for endurance.
- Ideal solution for inline twisting applications.

ACCUMULATOR

Engineered for inline production of twisted yarns — it collects yarn from the final godet of extrusion line and feeds it directly into the twister, enabling a seamless, knot-free output. Hydraulic tension control maintains constant in-feed tension, minimizing yarn breakage and ensuring stable operation.

By eliminating the need for take-up winders and pay-off creels, this system removes manual bobbin handling at the feed section, resulting in significant man-hour savings and optimum operational efficiency. It supports continuous production, allowing for automatic resumption after short stops, reducing waste and yarn breaks.

Delivers uniform, high-quality packages, knotless production, with consistent output and minimal intervention — ensuring a smarter, more efficient inline twisting process.

END APPLICATIONS

- Agricultural — Baler Twines, Tying Twines
- Horticulture — Greenhouse/Tomato/ Banana Twine
- Technical — Ropes & Twines, Cable Filler, Packing Twines, Twine for Carpet and Geotextile
- Commodity — Domestic Mops, Clothesline