

# TWISTER

## Roblon Tornado 400

### Roblon Tornado 400 two-for-one twister

For producing large packages  
Fully closed hydraulic take-up  
Highly efficient  
Suitable for in-line system

For production of cable fillers yarns  
For production of rope yarns and industrial fibres  
For production of tying twine and baler twine  
For plying pre-twisted yarns  
For production directly on to braiding bobbins

### Key features

- Hydraulic control of balloon and tension
- Precision cross-winding with or without tube
- High-quality tubeless packages
- In-feed from supply packages outside the machine
- Easy threading
- Fast, easy doffing
- Easy to change traverse
- Easy to change twist direction
- Low energy consumption
- Low noise level
- Simple, robust design
- Highly reliable
- Easy to maintain

### Standard equipment

- Take-up spindle Ø60 mm for tubes
- Cross-laying unit for 150 mm, 200 mm, 250 mm, 300 mm, 350 mm or 400 mm traverse
- One set of twist gears for one twist count in 12-78 tpm range
- Two-stationed disc for pre-tension device
- Brake capstans for constant in-feed yarn tension and proper balloon control
- Adjustable length counter for automatic stop at pre-set length
- Top cover opens and closes automatically
- Automatic stop at yarn break
- Counter showing total operating hours
- Interior light
- Pneumatic injector for easy threading
- Connection for external yarn break sensor
- Support arrangement for package removal
- Inverter drive



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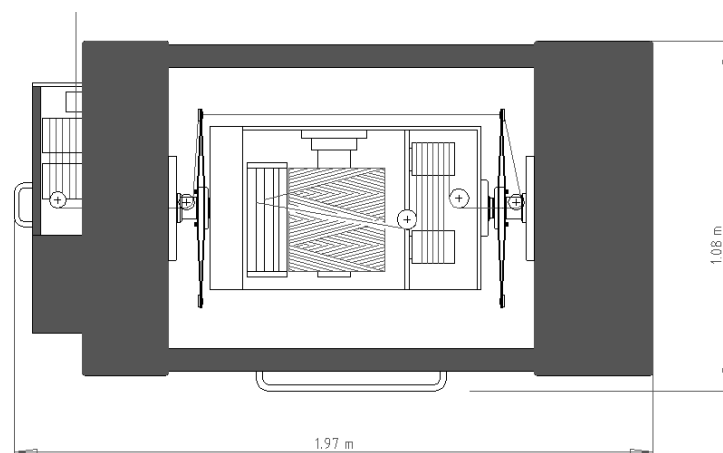
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### Optional equipment

- Pneumatic push-off tapered spindle for tubeless packages
- Take-up spindles in various sizes
- Interchangeable cross-laying units for 150 mm, 200 mm, 250 mm, 300 mm, 350 mm or 400 mm traverse
- Twist-change gears to cover entire twist counts in 12 to 78 tpm range
- Other twist ranges
- Customized in-feed system for special applications
- Safety accumulator
- Diameter stop
- Reeve plate for customized yarn distribution
- Die holder and dies in various dimensions

### Technical data

Yarn range:	10,000-150,000 denier in PP 10,000-190,000 denier in PA 10,000-220,000 denier in PES
Twists per metre:	12-78, S and Z
Flyer speed:	Max. 2,500 rpm
Twists per minute:	Max. 5,000
Take-up:	Max. Ø400 x 400 mm
Take-up, max. weight:	23 kg



Motor power: 11 kW

Weight: 1,300 kg

Height, top closed: 1.43 m

Height, top open: 2.1 m

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