

Roblon Precision Take-up, TA 1400

Roblon precision take-up's offer unmatched performance, reliability, and versatility, making them the ideal choice for cable manufacturers.

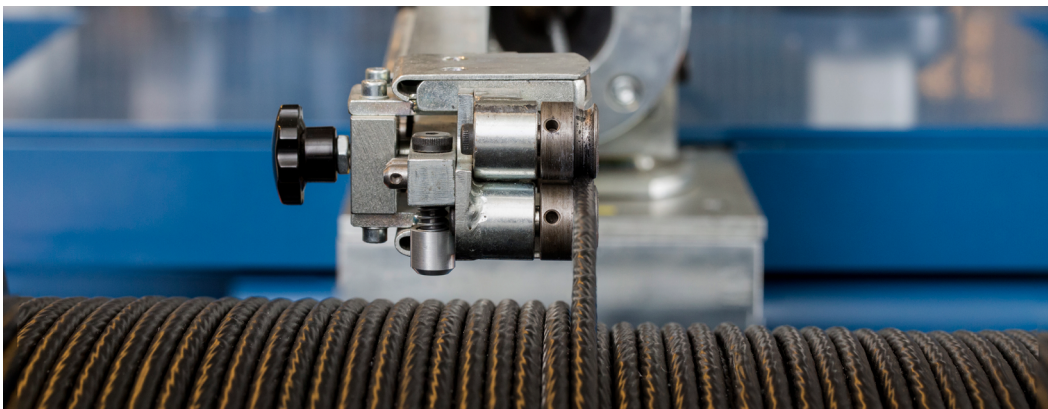
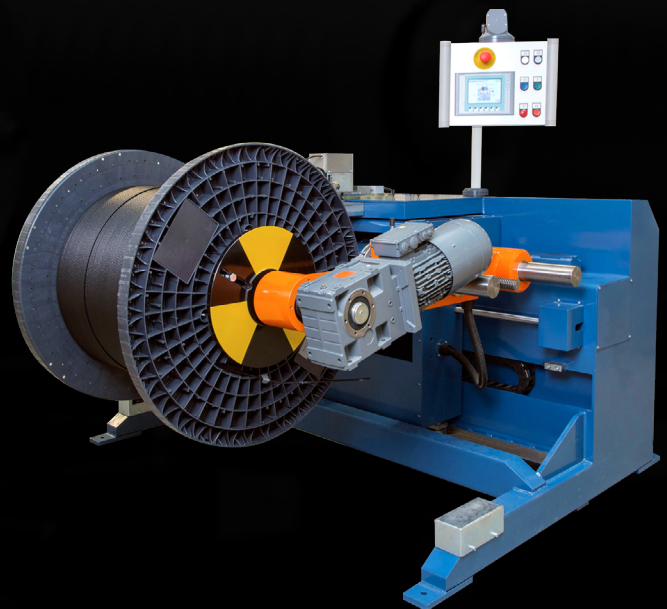
Roblon Precision Take-up is a state-of-the-art cantilever take-up unit meticulously engineered for the automated precision winding of a diverse range of cable and wire products. This innovative take-up system sets a new standard for safety, winding quality, efficiency, and reliability in industrial applications.

At the heart of the Precision Take-up lies its shaftless design, featuring a unique 180° reversible guide arm and lay force monitoring system. This configuration ensures superior winding quality by maintaining a uniform winding angle and tension throughout the winding process. As the reel traverses, the guide arm remains fixed, guaranteeing consistent winding performance and premium product presentation.

Key features of the Roblon Precision Take-up include automated precision winding at high speeds, gentle treatment of the winding product, and the elimination of cable crossings. This results in unparalleled winding quality, reduced manual intervention, and minimized risk of product damage during take-up and pay-off operations.

- Automated precision winding
- High quality winding
- No intersecting cables
- Easily integrable

Designed for seamless integration into existing production lines or as part of a rewinding line, the Precision Take-up offers versatility and adaptability to meet diverse production needs. By optimizing reel capacity utilization and minimizing the need for costly hand-coiling, this system enhances operational efficiency and delivers significant cost savings over time.



Roblon machines are easy to operate and can be integrated in any line.

Roblon

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Technical data	TA 1400	TA 1250	TA 1000	TA 710
Winding speed:	Max. 300 m/min.*			
Winding tension:	Max. 300 N			
Reel diameter (DIN 46395):	Ø750-1400 mm	Ø500-1250mm	Ø500-1000 mm	Ø380-710 mm
Reel width:	425-1100 mm	425-1100 mm	275-750 mm	280-600 mm
Barrel diameter:	Min. Ø250 mm	Min. Ø250 mm	Min. Ø200 mm	Min. Ø190 mm
Centre bore:	Min. Ø45 mm	Min. Ø45 mm	Min. Ø45 mm	Min. Ø32 mm
Reel weight (max.):	Max. 1500 kg	Max. 1800 kg	Max. 1200 kg	Max. 600 kg
Product diameter:	Ø3 - 30 mm	Ø3 - 30 mm	Ø3 - 30 mm	Ø3 - 20 mm
Product types:	Round and rectangular			
Dimensions (L x W x H):	2780 x 2120 x 2000 mm	2620 x 2120 x 2000 mm	1650 x 1750 x 1730 mm	1650 x 1560 x 1730 mm
Motor:	4.5 kW AC			
Drive:	Inverter drive			
Interface:	Profinet/Profisafe"			

* **Winding quality:** The Precision take-up's ability to ensure a uniform and consistent take-up performance reel after reel, depends on product design, product dimension, product surface and reel quality. Roblon recommends that reel flange crookedness should be less than ½ x product diameter and reel barrel circular run-out is no more than 1 x product diameter. Expandable pulleys allow for irregularities up to a maximum of 2 x product diameter.

Optional equipment

Interface: Siemens ProfiBUS, Analogue/digital, Rockwell Ethernet IP

Easy exchangeable pulleys for different product diameters

Precision length counter

Dancer in system for tension control

Built-in cable lock system for reel changing

