

# Roblon Tape Binder, TB-500X

**Roblon tape binders offer unmatched performance, reliability, and versatility, making them the ideal choice for cable manufacturers.**

Roblon TB-500X Binder, an exceptional solution for high-speed wrapping of cross-wound tapes around cables, setting the standard for efficiency and versatility in tape binding operations.

Designed for flexibility, the TB-500X Binder can seamlessly apply a wide range of materials, including plastic, paper tapes, aluminum, or Teflon foils, ensuring adaptability to diverse production requirements. With constant and accurately controlled tension throughout production, downtime is minimized, and operational efficiency is maximized, thanks to the binder's advanced tension control system.

One of the standout features of Roblon Tape Binders is their ability to adjust both lay-length and binding point on the fly, without the need to halt the production line, ensuring uninterrupted workflow and exceptional productivity. Moreover, the TB-500X operates in both clockwise and counterclockwise directions, offering enhanced flexibility to meet various production demands with ease.

Equipped with features such as low tape bobbin alarm and tape break detection system as standard, the TB-500X Binder ensures reliable performance and peace of mind during operation.

- For concentric wrapping of cross-wound tape
- Up to 2000 rpm
- Constant wrapping tension
- Adjustable lay length during production
- Ideal for long production runs
- Can be used with a variety of materials

Additionally, the option for external bobbin storage further enhances operational efficiency, enabling seamless integration into existing production setups.

With the Roblon TB-500X Binder, you can expect unparalleled performance, flexibility, and reliability, empowering your production processes to achieve new levels of efficiency and productivity in tape binding applications.



The Roblon Tape Binder is designed to take large crosswound spools; making it possible to obtain very long uninterrupted production runs.

Technical data	TB-500X	TB-400X
Binding speed:	1200 rpm	2000 rpm
Bobbin dimensions (ID x OD x L):	Ø90 x Ø500 x 600 mm	Ø90 x Ø400 x 400 mm
Tape width:	6-40 mm	6-30 mm
Dimensions: (L x W x H):	1500 x 1000 x 1450 mm	1300 x 1000 x 1400 mm
Binding tensions:	5-40 N	
Lay length:	10-100 mm determined by cable diameter and tape width	
Centre bore:	Ø40 mm	
Bobbin weight:	Max. 30 kg	
Motor:	4.7 kW AC; 9 kW AC	
Drive:	Servo Drive	
Tape material:	Plastic, paper, water-blocking, fire-retardent, aluminium, teflon, etc.	
Binding direction:	Clockwise or counterclockwise	
Operational direction:	Left to right/ right to left	
interface:	Profinet/Profisafe	

### Optional equipment

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

Wheel or rail system for easy relocation

Temperature and vibration sensor

External bobbin storage

Air conditioning system

