

Roblon Multi Pay-Off, MPO-DA

Roblon Multi Pay-off's offer unmatched performance, reliability, and versatility, making them the ideal choice for cable manufacturers.

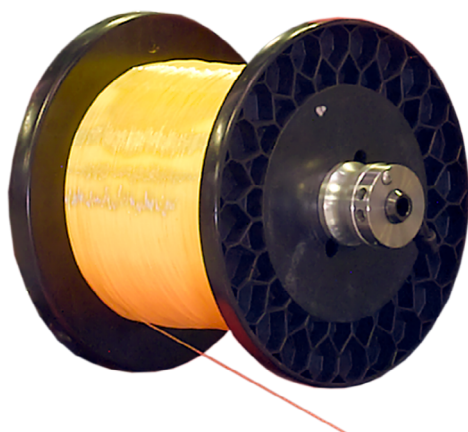
Roblon Multi Pay-Off, MPO-DA—a state-of-the-art driven pay-off unit engineered to deliver constant, gentle, and precisely controlled tension through an innovative pneumatic dancing arm system. Designed to meet the demands of various industries, this versatile pay-off solution ensures optimal performance in paying off tight buffered optical fibers, industrial yarns with functional coatings, impregnated glass or aramid yarns, and more.

The MPO-DA is specifically tailored to maintain constant tension levels for different types of materials, utilizing a pneumatic-controlled dancing arm system. This system operates within distinct tension ranges, offering low tension for delicate optical fibers and high tension for robust strength members, ensuring consistent performance across a wide range of materials.

Featuring a modular design, the MPO-DA offers flexibility with options for single or dual-sided pay-off configurations. Additionally, the unit can be easily upgraded with additional pay-off positions to accommodate evolving production needs.

Integration into new or existing production lines is seamless, and the unit can be operated either individually or as part of a line control, providing versatility and adaptability to various production setups.

- Constant tension regardless of bobbin diameter
- Yarn break detection
- Flexible, modular machine design



Roblon Multi Pay-Off can be used with fiber reels and cardboard tubes.

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Roblon

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| Technical data | MPO-DA |
|----------------------------------|---------------------------------------|
| Pay-off speed: | Max. 300 m/min. |
| Bobbin weight: | Max. 30 kg |
| Tension ranges: | |
| Low: | 0,6 - 1,5 N |
| Mid: | 1,5 - 6,0 N |
| High: | 2,3 - 10 N |
| Number of positions: | According to customer requirements |
| Bobbin dimensions (ID x OD x L): | Ø77/94 x Ø300 x 300 mm |
| Reel weight: | Max. 15 kg |
| Reel dimensions (ID x OD x L): | Ø25,4 x Ø300 x 300 mm |
| Materials: | Glass, aramid, polyester etc. |
| Dimensions (L x W x H): | 1435 x 1560 x 1906 mm (2x4 positions) |
| Shaft/adapter dimension: | According to customer requirements |
| One or two sided setup | |
| Interface: | Profinet/Profisafe |

Optional equipment

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

Expandable adapters for easy exchange

Wheel system for easy relocation

Customised adapters

Guide pulleys

