

Inspired by Excellence



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Need Something Different?
Conveline sales team will provide you complete
solution for your specific custom application.

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**24V DC MDR TECHNOLOGY UP 60%
OF ENERGY SAVING COMPARE TO
CONVENTIONAL SPIRAL**



**EASY TO INSTALL &
VERY LOW MAINTENANCE**



**FASTER DELIVERY
EASY TO HANDLE**



**ECONOMICAL
VERTICAL
SOLUTIONS**

VERTICAL SPIRAL CONVEYORS

Gravity Roller Spiral Conveyor / 24V DC MDR Roller Spiral Conveyor
Modular Chain Spiral Conveyor

Stability | Capability | Movability | Durability | Reliability | Availability

www.conveline.com

24V DC ROLLER SPIRAL CONVEYOR

Spiral Conveyor save spaces & move your products Vertically between floors. It's ideal for distribution, warehouse, process lines, packaging, bottling, printing and postal application.

HEIGHT: Up to 20mtr

Height is determined by Floor to Floor height, Customise as per available space

WIDTH: 23" (600mm)

Width is determined by package size, available conveying area and application specific needs

The Conveline make Roller motor RM50 is an Economical, High torque, High-performance Brushless 24V DC motor roller.

Save space and improve conveyor flow in your operation with Conveline motorized roller conveyor spirals. Built-in zero pressure accumulation (ZPA) and polyurethane-sleeved rollers come standard to ensure high-density accumulation and that product conveys without slipping or toppling.

Our 24V DC MDR Spiral Conveyors set us apart from the competition and allow you to move loads vertically from floor to floor with minimal footprint.

At its core, an MDR Spiral Conveyor is a material handling solution designed to transport goods vertically within a compact, spiral-shaped path. Unlike traditional belt conveyors spiral, motor-driven spiral roller conveyors use Motor-Driven Rollers (MDR), with each roller zone powered by its own roller motor. These rollers push products smoothly along the spiral track—either up or down (Reversible Direction Work)—depending on your needs. So, instead of relying on a single belt to move all items (which can be noisy, require constant maintenance, and waste energy), each roller activates only when needed. Which means Less energy usage, less maintenance, and more precise control over how products are moved.

Our MDR spiral conveyors can easily be integrated with new or Older systems and are a great space-saving solutions for vertical material handling at all scales.

FEATURES

- Various Drive Options
- Tapered Rollers also available
- Optional Polyurethane sleeving
- Safe low voltage
- Both Direction works

ADVANTAGE

- Fast Return on Investment
- No Maintenance
- 60% Low energy consumption
- Total cost of ownership
- Less time of installation
- Roller Motor extension cable

STANDARD SPECIFICATION

- Load capacity 25 kg/mtr
- 24V DC MDR Power Rollers with RC50 Control card (Conveline make)
- Every 1mtr or 1.5mtr One MDR rollers and others Idlers
- 30 MPM conveyor speeds
- Friction Sleeves available on Idler roller
- Motorised or Gravity for extension conveyor to infeed or outfeed area
- Operator controls – Start/Stop, Up/Down, E-stop
- Up/Down both direction can works
- Conveline make Poly V belt Idler rollers with MDR
- Fixed Speed as standard machine
- Fixed and Rigid Structure up to 10mtr height or above.
- IP54 Standard

APPLICATIONS USES



Carton Boxes



Shrink-wrap Bundles



Tires



Buckets



Plastic Crate



Paper Bundles

PRODUCT HANDLING: Carton Boxes, Crate, Flatt cartons, Shrink wrap bundles, Packing Rolls, buckets, tiers, etc. (Roller Spiral conveyor handle products which having flat base with solid materials.)

TECHNICAL DATA

CONSTRUCTION

All Steel available as per customer requirement

WARRANTY

ELECTRICAL: 12 Months
MECHANICAL: 12 Months

SERVICES AVAILABLE

Technical Support
Installation & Service
Preventive & Routine Maintenance
Application Support
Operator & Maintenance Training

OPTIONAL

- ZPA accumulations Options available
- SS304 Structure Available on request
- Any Specific Control make optional
- Customise as per application or products
- Can be built on site or Pre-assembled

Gravity spiral conveyors are specialized material handling systems designed to transport items vertically or diagonally using the natural force of gravity. The design features a spiral path that allows for gentle, continuous movement of products without the need for external power sources. The structure is engineered to facilitate the efficient movement of goods, from delivery points to storage areas, while ensuring that products are safely positioned as they travel.