



CONVEYOR LOGISTICS

PRODUCT OVERVIEW



MOTORISED DRIVE ROLLER CONVEYOR

MDR SERIES

www.conveyorlogistics.com.au

PRODUCT OVERVIEW

The MDR Series Roller Conveyors are a modular design roller conveyor that can be adapted to suit any application.

Operate as either Transport Conveyor or ZPA (Zero Pressure Accumulation) conveyor system, where the conveyed product won't come into contact with each other, the MDR conveyor can be customised specifically for your requirements.

When used for ZPA or transport conveyor the "Run on Demand" feature saves energy as the rollers only operate when required and are shut off when waiting for the next carton.

Variable speeds can be achieved by the control card settings.

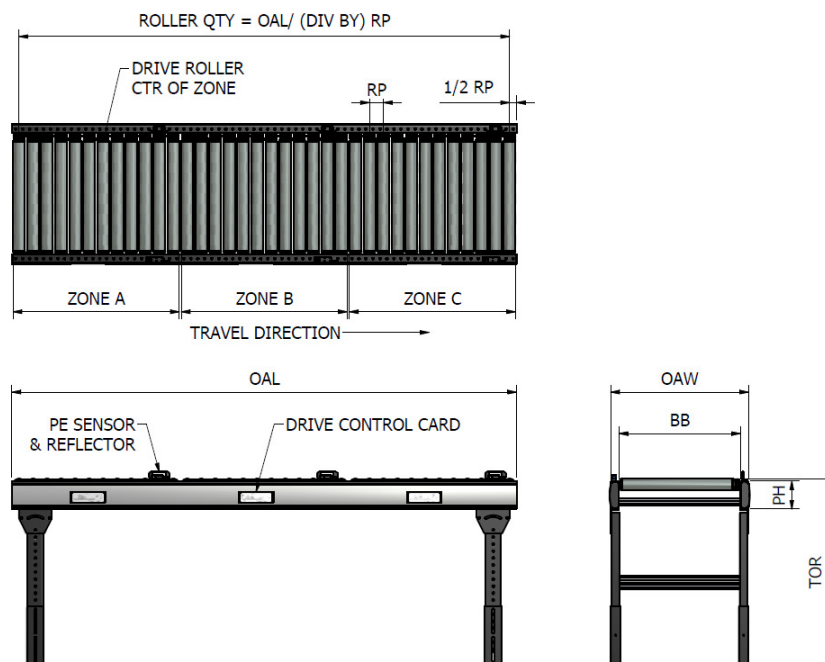
Flexible Zone Recognition handles long articles that cover multiple zones and automatically controls the zones as one.

Available in Straights, Curves 90°, 60°, 45°, 30°, Merge / Diverts conveying applications.

APPLICATIONS

The MDR Series Motorised Drive Roller Conveyors are developed for, but not limited to many intralogistics applications such as Warehousing, Transport & Freight Logistics, Carton & Tote handling, Food & Beverage, Order Picking Lines, Machine Feed Lines and many others.

DESIGN OVERVIEW



DIMENSION SPECIFICATION

OAL (Over All Length)	Application Specific
BB (Back to Back)	320 to 620 in 100mm Increments
PH (Profile Height)	120 (nom.)
TOR (Top of Roller Height)	150mm min. – Upon Request
OAW (Over All Width)	Determined by BB



General	
<i>Max. Length</i>	<i>Unlimited—Application Specific</i>
<i>Available RP (Roller Pitches)</i>	<i>60mm, 90mm, 120mm & 150mm</i>
<i>Side Guides</i>	<i>Rail Type or Channel Type</i>
<i>Conveyor Speed</i>	<i>7 to 60 (meters per min)</i>
<i>Max. Load Rating</i>	<i>30 (kg per zone)</i>
<i>Operating Temperature</i>	<i>0 to +40 °C</i>
<i>Min. T.O.R (Top of Roller Height)</i>	<i>150mm</i>
Drive	
<i>Transmission</i>	<i>MDR (Motorised Drive Roller)</i>
<i>Transmission Configuration</i>	<i>'O' Ring / Poly Vee Drive Bands</i>
<i>Driving Belt</i>	<i>5mm 'O' Ring / 'J' Pitch Poly Vee</i>
<i>Rated Voltage</i>	<i>24V DC</i>
Rollers	
<i>Roller— Drive</i>	<i>24V DC MDR Ø50 (nom.)</i>
<i>Roller—Slave</i>	<i>O Ring / Poly Vee Ø50 (nom.)</i>
<i>Roller Tube Material</i>	<i>MS Zinc Plated, PVC or Stainless Steel</i>
Frame	
<i>Channel</i>	<i>2.5mm Mild Steel</i>
<i>Channel Depth</i>	<i>120mm</i>