

Industry Leader in Specialty, Modular Conveyor Solutions

*Innovative Design, Unparalleled Simplicity,  
Industry Leading Safety Solution.*

*We Keep You Rolling!* 



## DynaRoller<sup>TM</sup> Overview

The DynaRoller<sup>TM</sup> system provides for a modular, roller conveyor system with a simplistic mechanical and controls design allowing for industry leading capabilities and safety features. Its patented design includes capturing all motor and drive components within an enclosed side channel making it the safest roller conveyance option on the market.

DynaRoller<sup>TM</sup> is a motor driven roller (MDR), zone powered conveyor system offering zero pressure accumulation functionality. Integration with its patented, omnidirectional transfer units allows for right angle transfers and diverting to meet the most demanding sortation needs.

The DynaRoller<sup>TM</sup> is an excellent complement to Dynamic Conveyor's other product lines as an end of line solution, or in new applications where there is a need for a more advanced conveyance systems. This includes applications such as packaging, sortation, fulfillment, end of line manufacturing, robotics and other light to medium duty unit handling applications.

Features	Benefits
Modular Conveyor Design	Ability to easily reconfigure & repurpose
Maintenance Free	Reduced cost of ownership & downtime
Omnidirectional Transfer Units	Ease of merging & diverting
Drive Components Enclosed in Side Channel	Industry leading safety design
Mechanical & Controls Design Simplicity	Efficient, low-cost installation
Timing Belt Rather Than Bands	No roller efficiency loss allowing for increased zone weights vs industry
Multiple Roller Configurations	Ensures a fit for purpose solution
Controls Integration	Ability to integrate with third party equipment & software
Energy Efficient Design	Low operating costs
2-Year Warranty	Industry leading quality & reliability

## TECH SPECS

### Standard Widths

13", 17", 21", 25", 29", 33"

### Module Length

2' - 10'

### Zone Length

6" - 48"

### Max Parcel Weight

100 lbs/zone

### Top Roller Height (TOR)

6" - 120"

### Speed

20 - 300 FPM

### Support

- Anodized aluminum w/leveling pads
- Ceiling support option

### Box/Parcel Size

- Lengths 6" - 40"
- Width 6" - 32"

### Materials

Anodized aluminum side channels

### Rollers

- Centers: 1.5", 2.2", 3.0" 4.3"
- Diameter: 2"

### Configurations

Flat, incline, decline, radius turn

### Motor

48v brushless DC

### Sortation

Up to 3600 sorts/hr

### Options

- E-stop
- Enclosures & Guarding
- Skewed Rollers
- Belt Over Roller
- Popup Stop
- Adjustable Guide Rails
- Standard I/O Interface
- Integrations
  - Robotics
  - WMS
  - Dimensioning Units
  - Barcode/RFID Scanning
  - Check weighing
  - Print & Apply



Large multi-station sortation handles a variety of parcel sizes.



Omnidirectional transfer unit, left right and through.



Multiple OTU for 20+ sort stations.

*"There is not a motorized driven roller conveyor system quite like this one. The OTU (Omnidirectional Transfer Unit) allows for complex sortation and diverting capabilities to maximize throughput. Additionally, the integrated safety controls make this one of the safest conveyor systems on the market today."*

Paul Kuharevicz, Project Engineer,  
Dynamic Conveyor

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