

A trusted leader and partner in providing innovative conveyance solutions.



It's time for a
NEW LINE OF THINKING
Custom conveyor solutions for those who can't slow down.



DynaRoller™ Overview

The DynaRoller™ 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 one of the safest roller conveyance options on the market.

DynaRoller™ 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™ 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 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
Low Maintenance	Low 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
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

6" - 120"

Speed

20 - 300 FPM

Support

- Anodized Aluminum With 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
 - Warehouse Management Systems
 - 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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