

# DualMove

# DORNER®

By Columbus McKinnon

DualMove is a perfect conveyance solution for precision product movement. With dual-strand timing belts and functioning accessories, the DualMove is ideal for applications that require precise product orientation and transfers.

## FEATURES

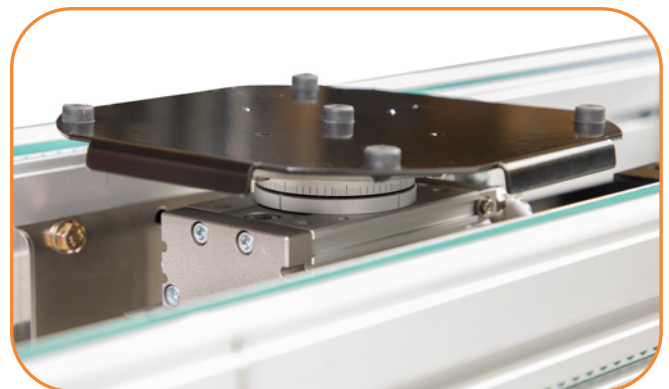
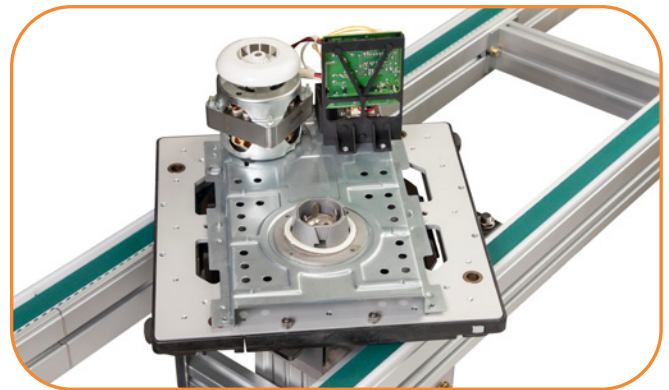
- Simple and cost-effective pin tracking system for effective pallet traffic management through 90° turns and merge modules.
- Powered corner options are available for smooth movement and accurate product orientation.
- Additional lifting module options are available for inspection, product orientation, and transfers.

## SPECIFICATIONS

- 25 mm wide belting
- Pallet widths: 160, 240, 320, 400, 480, 640, and 800 mm
  - Custom widths available
- Lengths: 500 to 7500 mm (20 in to 24.6 ft) long in 5 mm increments
- Load Capacity: 569 kg (1250 lbs) non-accumulating, 284 kg (626 lbs) accumulated
- Speeds up to 66 m/min (215ft/min)
- T10 timing belts with steel cords available in low-friction, medium-friction, and static-conductive options
- Drive Pulley: T10, 19 tooth, Pitch diameter 60.6 mm (2.386 in)
- 50.8 mm (2.0 in) diameter end rollers
- Mid Drive is available in any location along the conveyor rails starting at 250 mm (10 in) from each end

## IDEAL APPLICATIONS

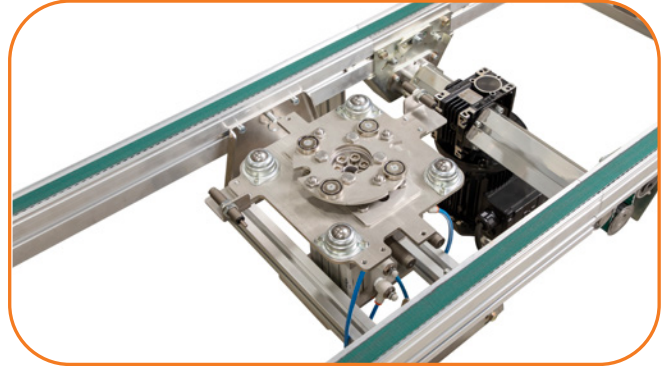
- Small Appliances
- Medium to large-sized part movement
- Product routing and control
- Product inspection
- Assembly automation
- Robotics Integration
- Electronics assembly
- Medical device manufacturing
- Pharmaceutical processing



## ACCESSORIES

### LIFT AND LOCATE

- Standard vertical lift stop to ensure repeatable accuracy
- Lift capacity roughly 2x pallet capacity at 60 psi
- Accuracy of  $\pm 0.13$  mm (0.005 in)
- Lift height is adjustable, maximum height is 50.8 mm (2 in) from top of belt to bottom of pallet
- Includes cushioned lift stroke
- Includes lift and pallet



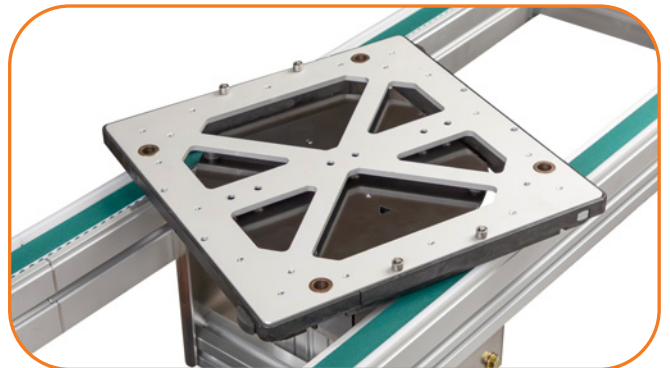
### LIFT AND TRANSFER

- 3 position Lift and Transfer
- Up position transfers pallet on/off the transverse conveyor
- Middle position stops pallet on the main conveyor
- Down position lowers the transfer and end stop allowing the pallet to pass over the lift and transfer
- Dual strand timing belt conveyors mounted to a pneumatic lift
- Changes product leading edge and allows for tight parallel assembly lines
- Load capacities matches pallet sizes, up to 45 kgs (100 lbs)
- Allows transfer to two directions if required
- Pallet transfers over conveyor high side. 6 mm (0.25 in) change
- No guide cutting required



### LIFT AND ROTATE

- Pneumatic lift from center of conveyor
- Pneumatic rotation with adjustable positioning
- Includes break-away magnetic coupled rotation plate for product safety
- Rotation angle: 90 and 180 degrees
- Includes cushioned lift and turn strokes
- 90.7 kgs (200 lbs) lift capacity
- Includes mechanism



## TRANSFORMING CONVEYOR AUTOMATION

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