



DYNODRIVE

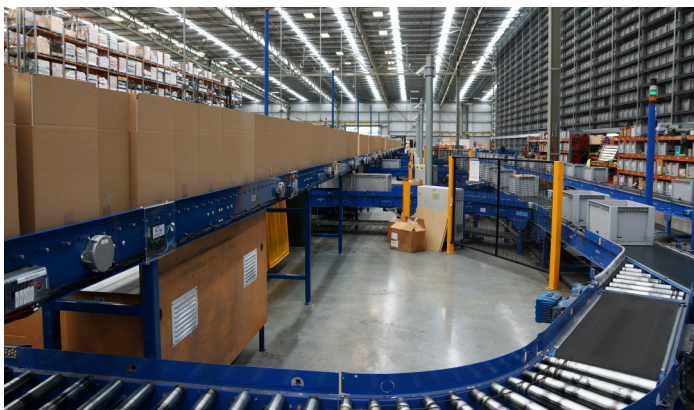
The Dynodrive system, designed specifically for unit handling conveyors, is a Zero Pressure Accumulation System providing exceptional reliability, very low noise and outstanding design flexibility. The system is remarkably simple and cost-effective, consisting of an externally mounted direct drive brushless DC motor, driven by its own individual control card. It is especially well suited for small package conveyors, where small diameter rollers, tight roller spacing and narrow conveyor widths are required.

Features & Benefits

- Zero Pressure Accumulation, no product damage
- Direct drive 24V, brushless DC motor
- Reduces wear on shaft and parts and uses less power as motors only run when product needs to move
- Externally mounted drive motor means it easily adapts to a variety of roller sizes and conveyor widths.
- Controlled braking system
- Low power consumption, 24V
- Simple (no need for PLC)
- Impressive torque at low speeds
- Very low operational noise

Uses

- Warehousing
- Food dispatch and packing
- Manufacturing





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How it Works

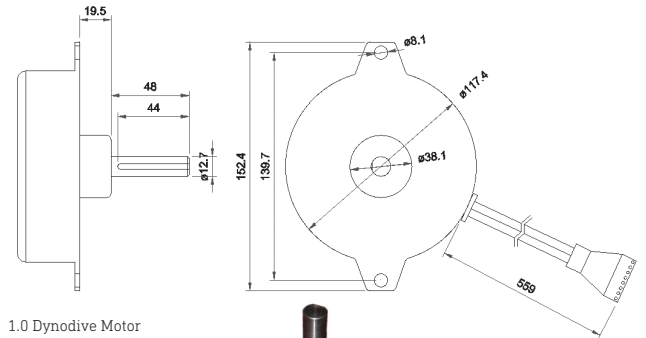
A Dynodrive motor is fitted at regular intervals along the length of the conveyor, this enables the loads to be automatically controlled in 'zero pressure zones'.

The stop / start action of these motors is automatically controlled by photocell sensors fitted at each end of the zone, these send information to the control card link to that motor.

As the loads are conveyed along the conveyor, the photocell sensors inform the control card that product is present. The control card then checks that the forward zone is unoccupied. If the zone is clear, the downstream motor starts thus enabling the product to be passed forward where the action is repeated.

If however, the downstream zone is occupied then the control card stops the motor immediately under the product until the downstream zone is clear.

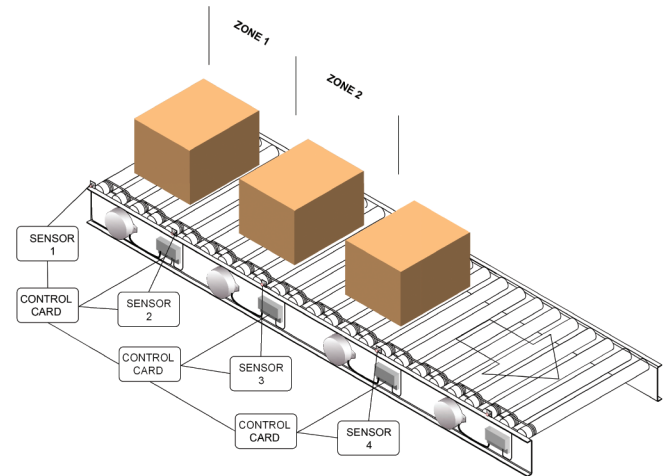
In the event that no loads are present or moving on the conveyor, then zones are stopped effectively saving energy.



1.0 Dynodrive Motor



2.0 Dynodrive Control card



3.0 Dynodrive Logic

Additional Options

The extended output shaft allows a variety of driving methods to be used

- Polyurethane drive bands
- Mini vee Belts
- Coupling Chain

