

ADVANCED

MOTION & CONTROLS LTD.

Solutions for Industry on the Move...

DORNER[®] iDrive for the 2200 Series



Setting the Standard for Small Parts Handling

iDrive merges advanced drive and control technologies with the compact design of the 2200 Series by integrating the motor, gearbox and motor controller into a single, space saving package. Dorner has literally redefined the application footprint for small product conveyors.

The groundbreaking iDrive feature is ideal for a variety of packaging and industrial applications where space is tight or additional room is needed around the conveyor. Capable of widths as narrow as 3 inches and lengths as long as 12 feet with speeds up to 100 feet-per-minute.

- Space Saving Design
- Sized for Small Part Handling
- Reduced Time Required for Integration



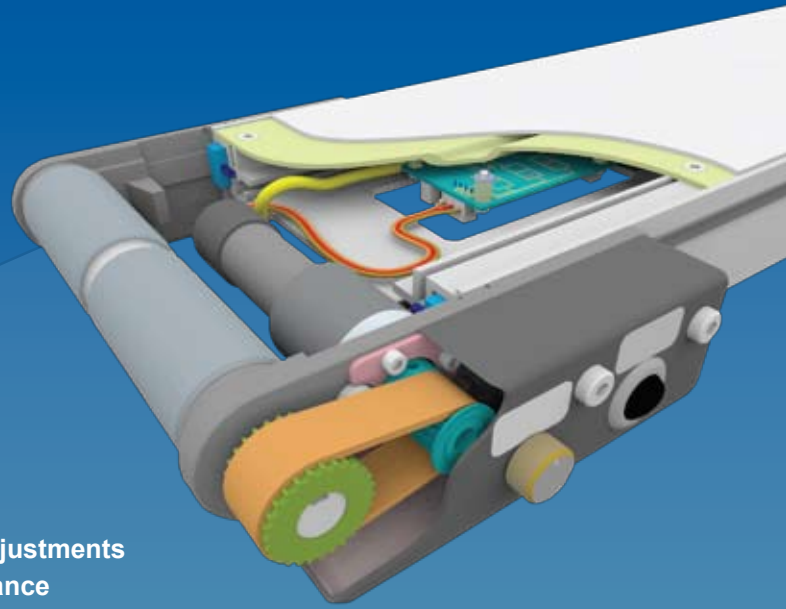
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iDrive Features & Benefits

DORNER[®]

- Internally mounted gearmotor and control for space savings and tight work spaces
- Reduced integration time required to mount and wire the total conveyor package
- Ideal combination of conveyor and gearmotor sizing for small parts handling
- Variable Speed and reversible for maximum application flexibility
- Control switches conveniently located in high impact protective case
- 1.25" diameter drive roller for smooth product transfer
- V-guided belts for maintenance-free belt tracking
- Maintenance-free brushless DC motor
- Incorporates popular features of 2200 Series
 - Rack and pinion belt tensioning for fast and accurate adjustments
 - Built-in belt tension indicators for preventative maintenance
 - T-Slots for fast and simple mounting of automation components



Conveyor Specifications

Conveyor Dimensions

- Width: 3" to 18"
- Length: 18" to 12 ft

Conveyor Speed

- Variable Speed
- (2) Speed Options: 7 to 70 FPM or 10 to 100 FPM

Conveyor Load Capacity

- 7 to 70 FPM – Up to 30 lbs non-accumulated, distributed load
- 10 to 100 FPM – Up to 23 lbs non-accumulated, distributed load

iDrive Control Models

- Integrated Forward / Off / Reverse Switch, Variable Speed Pot, and 115V 1 Ph Input Power Supply
- Integrated Forward / Off / Reverse Switch, and Variable Speed Pot*
- Flying leads for remote speed and direction*

* 24V DC power supply by others

** With integrated power supply option only

Gearmotor Specifications

- Motor Type: Brushless DC
- Gearhead Type: Planetary Gear, 23:1 Ratio
- Output power = 50 watts
- Maximum Motor Voltage / Current = 12 VDC / 5 amps
- Maximum Gearmotor Speed: 347 RPM

Motor Control Specifications

- Control Type: 1 Quadrant Digital Controller
- Operating Voltage: 10 to 50 VDC
- Continuous Output Current: 5 amps
- Remote Input Options: (with flying lead model only)
 - Speed = 0 to 5 VDC
 - Enable = 3.5 to 50 VDC
 - Direction = 3.5 to 50 VDC

Power Supply Specifications**

- Input: 100-240 VAC, 50/60 Hz, 1.5A
- Output: 24V DC, 5 Amp, 120 Watt max.
- Includes locking control cord and 115VAC power cord
- UL and C-UL Listed
- CE Models Available

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