

2200 & 3200 Series Magnetic Conveyors

DORNER[®]
By Columbus McKinnon

Precision Conveyors with Embedded Magnets for Positioning and Control of Ferrous Parts

- Holds ferrous parts fast to the belt
- Ideal for elevation changes or part holding
- Can be used in upside down applications
- Strength and size of magnetic field is designed per application
- Magnetic conveyors are created by placing permanent ceramic magnets in the bed of a standard conveyor

FEATURES & SPECIFICATIONS

- Available on Dorner 2200 and 3200 Series Belt Conveyors
 - Aluminum extruded frame with T-Slot construction
 - Sealed ball bearings
 - Rack & Pinion Belt Tensioning
 - V-Guided and Non-V-Guided Compatible
- Reference the conveyor specification sheet or www.dorner.com for additional details and specifications

MAGNET SPECIFICATIONS

- Permanent ceramic magnets
- Strengths: standard and strong
 - Note: strong magnets are generally only used in centering or inverted applications
- Generally 2 rows of magnets are used. One row oriented as north, the other as south. Multiple rows can be used for larger product or additional magnetic strength.
- Rows are generally spaced at half of the width of the product.
- Decreasing zones allow gradual decreasing of magnet strength for smooth product transfer off the magnet or end of the conveyor.
 - Used when the belt speed is less than 7.62 m/min (25 ft/min) or product length (in the direction of the flow) is less than 76 mm (3 in). See product spec sheet for additional information.
- Sample product is recommended to test magnetic strength.



Available on LPZ (Z-Frame) Conveyors

OPTIONS & ACCESSORIES

- Standard support stands and guiding are available
- Series standard mounting packages and gearmotors are available
- Multiple belt options available. Do not use low coefficient of friction belting

TRANSFORMING CONVEYOR AUTOMATION

Dorner – North & South America

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