

Superior V-Guided  
Belt Tracking

Universal Motor &  
Mounting Package

Fast & Simple to Use  
Online Configurator

Industry-Best  
Product Transfers



# 2200 SERIES CONVEYORS

Low Profile, High Performance,  
Fabric & Modular Belt Conveyors

**DORNER**<sup>®</sup> 

## 2200 Series Conveyors are best for:

- Small to Medium Part Handling
- Transfers
- Accumulation
- Precision Part Movement
- Part Incline/Decline Routing (Z Frames)
- Positioning
- Automated and Manual Assembly

## Sizes & Measurements

- 1" - 24" (widths)
- 18" - 30' (lengths)

## Loads & Speeds

- Up to 150 lbs
- Up to 400 fpm



## Conveyor Configurations



Straight



Z-Frame



Horizontal to Incline



Nose-Over

## Fabric Belt Types

- Flat Belt
- Cleated Belt



Flat Belt



Flat Belt Cleated

## Precision Move Belt Types

- Precision Move
- Precision Move Cleated



Precision Move

### In-House Fabrication Capability

- Large Quantity of Stocked Materials
- Continuous V-Guiding
- Water Cooled Belt Splicing
- RF Cleat Welding
- Hole Punching



### Splicing



#### Finger Splice

All belts are available with a standard Thermoformed finger splice. This splice makes the belt continuous and is virtually undetectable.



#### Plastic Clipper

An optional plastic clipper splice is available for quick removal of belts or when conveyors are installed in tight spaces.



#### Metal Clipper

An optional metal clipper splice is also available for quick removal of belts or when conveyors are installed in tight spaces.

### Rack & Pinion Belt Tensioning



### Precise V-Guided Belting



### Unique Precision Move Reverse V-Guiding



## Modular Belt Types

- Micropitch Closed Mesh
- Micropitch Open Mesh
- Metalworking Closed Mesh
- Metalworking Open Mesh
- Metalworking Cleated



Micropitch Closed Mesh



Metalworking



Metalworking Cleated

## Roller Conveyors

- Single piece frame lengths to 12' long
- Rollers: 1" (25 mm) diameter rollers on 1.2" (31 mm), 2.4" (61 mm) or 3.6" (91 mm) centers



## Nose Bar Transfers

### Modular Belt



0.31" Nose Bar Transfer Tails with belt speeds up to 175 ft/min

### Fabric Belt



5/16" Nose Bar Transfer Tail with belt speeds up to 75 ft/min



5/8" High Speed Nose Bar Transfer Tail with belt speeds up to 200 ft/min

## Frame Construction

### Modular Belt Frames

Rugged open frame design for water and chemical drainage and air cooling



### Belted Frames

Durable, hard anodized, aluminum frames. Single piece frames up to 12" wide. Multi-piece frames up to 24" wide



Multi-piece

## Drive Types



End Drive



Center Drive



iDrive®



Mid Drive

Common Drives Also Available

## Motors & Controls



Universal Drive



Servo



Basic VFD Control



Full Feature VFD



Brushless DC Control

Additional Options Available

## Guiding

Multiple Guiding Options

- Low Side
- Aluminum Side
- Tool-less Adjustable
- Adjustable Outboard
- Extruded Plastic
- And More!



Cleated LPZ Aluminum Side Guiding



Adjustable Guiding

## Stands

Multiple Stand Options

- Fixed Height Support Stands
- Adjustable Height Support Stands
- And More!





## High Speed Nose Bar Transfers

- 5/8" Nose Bar safely transfers small parts at speeds up to 200 ft/min and features V-Guided Belting for accurate belt tracking



## Universal Drive

- A breakthrough in conveyor drive technology; a single part number covers all speeds, loads, and mounting positions for 2200 End Drive Conveyors



## Sleek Frame Designs

- Sturdy single piece frame construction with a universal T-Slot allows for fast and simple attachment of accessories and guiding with a variety of industry available hardware



## Precision Move

- Provides accurate alignment of both time and distance to move products efficiently in assembly automation applications



## iDrive

- The industry's most compact drive saves space and reduces integration time



## LPZs

- Sleek, low profile Z-Frame Conveyors are ideal for product elevation changes and can easily fit under machinery

## The Benefits of a Dorner 2200 Series Conveyor

### Low Maintenance

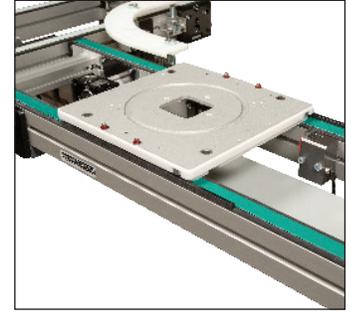
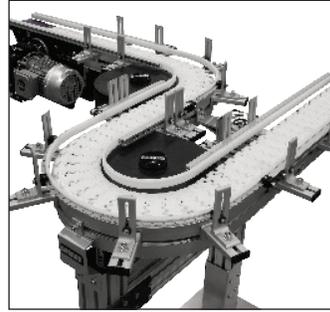
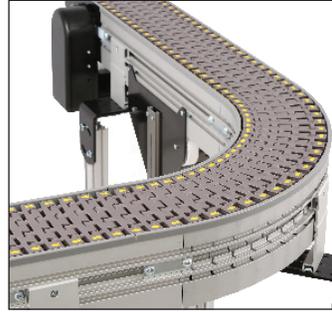
- Dorner's Industry Best V-Guiding provides positive belt tracking, even under demanding side load applications
- Precise rack and pinion belt tensioning allows for fast and simple tensioning
- Sealed for life bearings reduces maintenance
- Universal Drive provides flexibility in design layout and simplicity in spare part management

### Time Saving

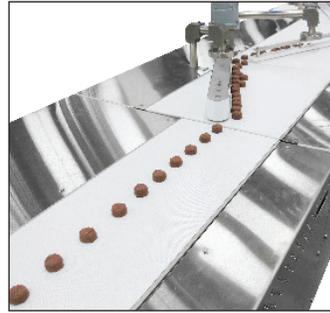
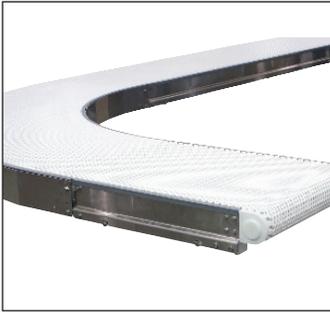
- Dorner's online configurator engineers simple or complex conveyors to meet your needs in minutes
- The industry leading tool delivers a complete 3D CAD assembly model for instant validation of fit
- Dorner provides the industry's fastest lead times with conveyors shipping in as little as 3 business days

# Transforming Conveyor Automation

## Industrial & Automation Conveyors



### Sanitary Conveyors



### Engineered Solutions



Parts

Service

Online Configurator

Warranty

[www.dorner.com](http://www.dorner.com)



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