

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[®]
MOVE FAST. MOVE SMART.

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



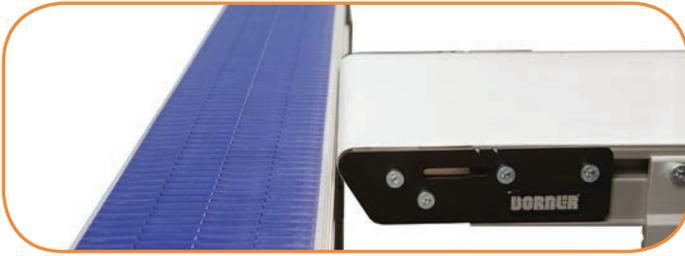
Adjustable Guiding

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

At Dorner we make it our mission to provide you with a system that you can depend on to move your product from point A to point B with precision and speed. It's that commitment and history of proven excellence that has made the Dorner Brand a recognized leader in precision conveyors for nearly 50 years. With our complete line of customizable conveyor systems we have the perfect solution for you!



1X Series

The 1X Series Line is designed for small part handling and transfers where space is a premium.

1X Series Family:

- Flat Belt
- Aluminum Frame
- Widths to 10"
- Loads to 15 lbs
- Speeds up to 80 fpm



2X Series

The 2X Series Line is engineered for small to medium sized parts, precision applications and flexible layouts.

2X Series Family:

- Flat Belt
- Cleated Belt
- Modular Belt
- Precision Move
- SmartFlex®
- Aluminum Frame
- Widths to 24"
- Loads to 200 lbs
- Speeds up to 400 fpm
- Curves
- Z-Frame Elevators



3X Series

The 3X Series Line is designed for medium to heavy sized parts, precision applications, bulk handling and flexible layouts.

3X Series Family:

- Flat Belt
- Cleated Belt
- Modular Belt
- Flexible Chain
- Precision Move
- Aluminum Frame
- Widths to 60"
- Loads to 1000 lbs
- Speeds up to 600 fpm
- Curves
- Z-Frame Elevators



7X Series

The 7X Series Stainless Steel Line is engineered for small to heavy product requiring various levels of sanitary design and flexible layouts.

7X Series Family:

- AquaPruf® + AquaGuard®
- Flat Belt
- Cleated Belt
- Modular Belt
- Flexible Chain
- Vertical Belt Technology
- Stainless Steel Frame
- Widths to 52"
- Loads to 750 lbs
- Speeds up to 400 fpm
- Curves
- Z-Frame Elevators

NEED SOMETHING DIFFERENT?

DORNER'S **ENGINEERED SOLUTIONS GROUP** PROVIDES EXACTLY WHAT YOU NEED FOR YOUR SPECIFIC APPLICATION. FROM MODIFIED STANDARD CONVEYORS TO COMPLETE CUSTOM DESIGNS.

LOOKING FOR AFTER SALE SUPPORT?

DORNER'S **SERVICES TEAM** PROVIDES COMPLETE SUPPORT FROM REPLACEMENT PARTS TO INSTALLATION AND MAINTENANCE SERVICES.



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