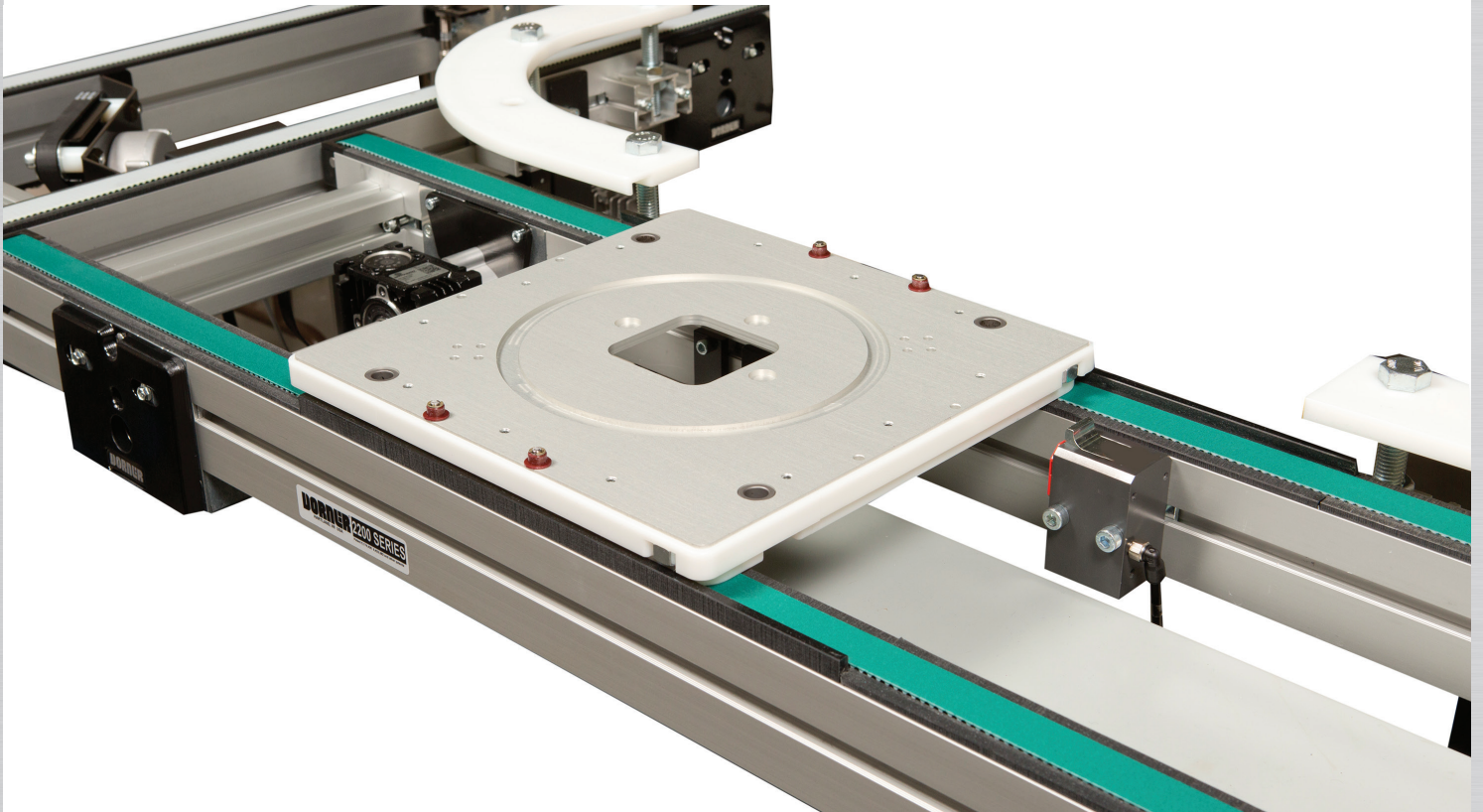


Fast & Simple to Use
Online Configurator

Innovative Timing Belt
Conveyor Design

Industry Best
Pallet Transfer System

Clean Room Class
100 Certified



2200 SERIES PRECISION *MOVE* PALLET SYSTEMS

Innovative, Modular, Dual Belt Conveyor
Pallet Systems for Assembly Automation

DORNIER® 

2200 SERIES PRECISION MOVE PALLET SYSTEMS

2200 Series Precision Move Pallet Systems are Best for:

- Medium to Large Size Part Movement
 - Product Routing and Control
 - Product Inspection
- Assembly Automation in:
- Automotive
 - Electronics
 - Medical
 - Life Science Products
 - Health and Beauty Products
 - Appliance Products

Sizes & Measurements

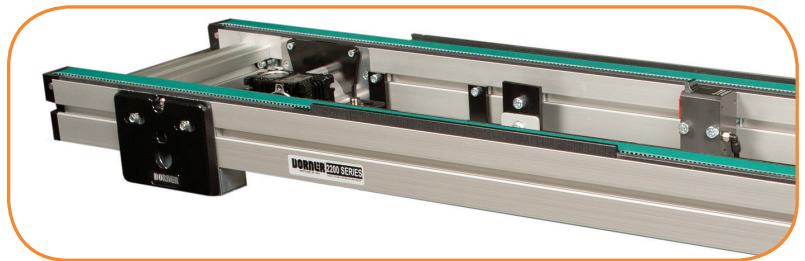
- Widths: 160, 240, 320, 400, and 480 mm
- Lengths: Up to 24' 7" (7500mm)

Loads & Speeds

- Conveyor Load Capacity
 - 500 lbs non-accumulating
 - 250 lbs accumulated
- Pallet capacity of 30 to 70 lbs
- Speeds up to 114 ft/min (34 m/min)

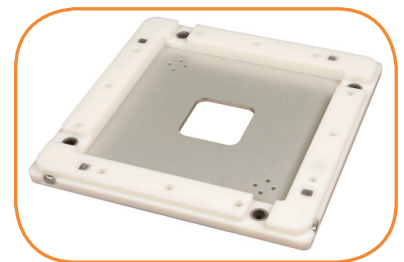
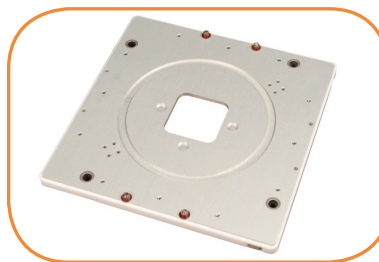
Conveyors

- Dual belt conveyors with common drive module
- 25mm wide 5mm pitch timing belt conveyor
- Standard or static conductive belting available
- Aluminum extruded frame with universal T-Slot
- Quick belt change without conveyor removal

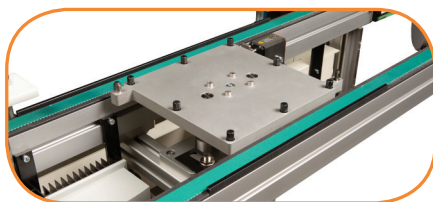


Pallets

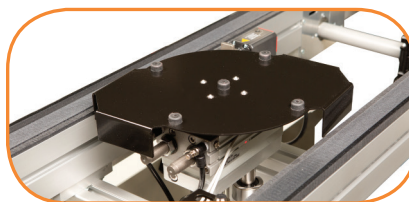
- 160mm to 480mm
- Industry compatible sizes and bushing locations
- Static conductive pallet skirt
- Square and rectangular sizes available
- Pallets are sold as kits or completed assemblies



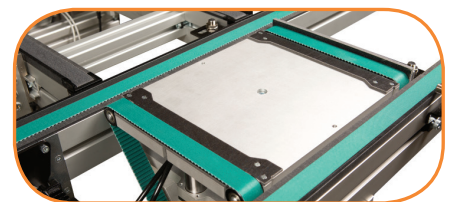
Modules



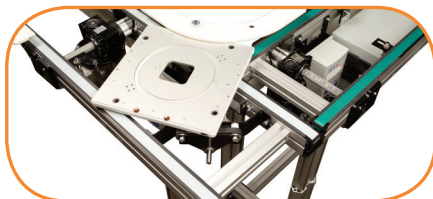
Lift & Locate



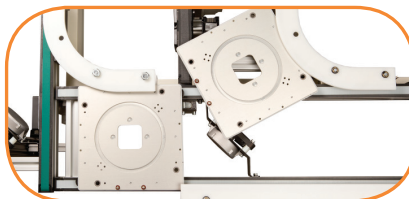
Lift & Rotate



Lift & Transfer



90 Degree Corner



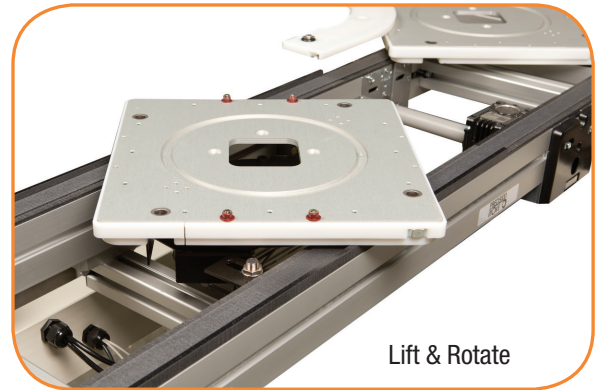
90 Degree Corner & Merge



Cushioned Pallet Stop
(Non-cushioned also available)

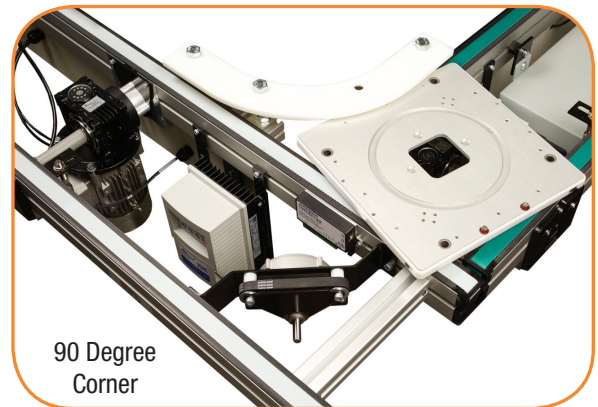
Innovative Lifting Modules

- Lift and Locate:
 - Adjustable height lift from center of conveyor
 - Provides 200 lbs of lift capability at 90psi
 - Accuracy of ± 0.002 "
- Lift and Rotate:
 - Pneumatic lift from center of conveyor
 - Pneumatic rotation with adjustable positioning
 - Rotation angle: 90 to 180 degrees adjustable
 - Includes cushioned lift stroke
- Lift and Transfer:
 - Changes product orientation
 - Uses dual strand timing belt conveyors and pneumatic lift
 - 70 lbs load capacity



Simple Powered Corner Modules

- 90 Degree Corner:
 - Uses pin tracking in pallet
 - Maintains product orientation through the turn
 - Includes 24VDC drive mechanism to drive the pallet around the corner
- 90 Degree Corner and Merge:
 - Uses pin tracking in pallet
 - Inside guide is mounted to pneumatic cylinders to transfer pallet around corner
 - Straight guide with pneumatic cylinder is mounted across perpendicular conveyor to guide pallets straight through the merge area
 - Includes 24VDC drive mechanism to drive the pallet around the corner



Accurate Pin Tracking System

- Simple and cost effective method of tracking pallets through turns
- Used on 90 Degree Corner and 90 Degree Corner & Merge Modules



The Benefits of a Dorner 2200 Series Precision Move Pallet System

Innovative Offering

- Timing belt conveyors provide added load capacity in a small platform
- Quick belt change without the need to remove conveyor from system
- Pin Tracking System provides cost effective pallet traffic management

Delivers Fast

- Dorner sets the industry standard for rapid delivery
- Conveyors and automation modules available in 20 days or less

Time Saving

- Dorner's online configurator engineers simple to complex configurations in minutes.
- The industry leading tool delivers a complete 3D Assembly model for instant validation of fit

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® + AquaGard®
- 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.



DORNER MFG. CORP.
PO Box 20 • 975 Cottonwood Ave.
Hartland, WI 53029 USA

INSIDE THE USA
TEL: 800.397.8664
FAX: 800.369.2440

OUTSIDE THE USA
TEL: 262.367.7600
FAX: 262.367.5827

www.dorner.com
info@dorner.com

