



PALLET SYSTEMS

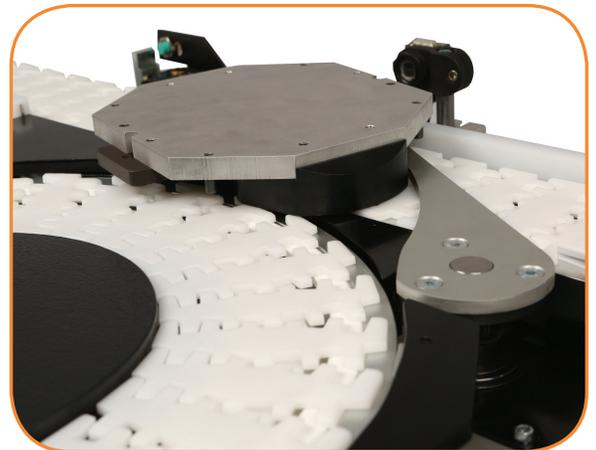
FLEXIBLE CONVEYORS WITH PALLETS FOR PRODUCT ROUTING AND CONTROL



- Accurate positioning and routing
- Ideal for assembly processes or inspection
- Components sold as kits to allow for easy design changes and layout flexibility
- Pallets sold as kits to allow fixturing or as completed assemblies

Merge & Diverts

- Multiple Kits styles
 - Divert, Merge, and Merge and Divert
 - Multiple configurations including 45°, 90° and Parallel
- Require pallet or puck stops to be used for product traffic control
- Designed for use with Pucks and Pallets with the Pin Tracking System
- Requires that the conveyor is equipped with guiding. Cutting and fitting of the guiding is required
- Pneumatic diverter. The gate arm location is below the Pin Tracking System, contacts the pallet base puck
- Pneumatic diverter position is adjustable in both positions
- Height of the divert arm is also adjustable



Diverts

Lift & Locate Station

- 105mm Conveyors
- ± 0.004 " accuracy
- 200 lbs holding force
- Includes 1 pallet stop (cushioned & non-cushioned)
- Includes sensor mounts
- Sensors and pneumatic valves optional
- Max usable width = pallet width



Lift & Locate

Pallets

- 105mm Conveyor
 - 190 mm wide
 - 100 mm, 150 mm, and 200 mm lengths
 - Max product load = 20 lbs
- Aluminum base plate (1/2" thick)
 - Thickness is dependent on load condition
- (2) Hardened steel location blocks
- Pin Tracking System
 - Pins guide pallet along conveyor
 - Pallet guide only needed on outside of loop
 - Pins provide accuracy at stop location
- Pallets can be purchased as completed assemblies or as kits allowing end user to fabricate their own top plate
- Bumper material available to reduce noise and vibration in accumulated pallets



Pallets



Cushioned Pallet Stop

Pallet Stops

- Pneumatic Stop
- Available in Cushioned & Non-Cushioned Models
- Capable of back to back pacing
- Up to 100 lbs total per pallet stop @ 100 FPM
- Lower speed increases load capacity
- Higher load options available
- Sensor brackets available either on the stop or as a stand alone part
- Optional stop position sensors available

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.



2X Series

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



3X Series

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



7X Series

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

DORNER[®]
MOVE FAST. MOVE SMART.

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



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