

PACLINE™

OVERHEAD CONVEYORS

ISO 9001



APPLICATIONS



Carton Handling

Split case or "less than carton" picking areas are the least efficient areas of the distribution center. The man-hours consumed per order are the highest in the entire warehouse. Only a careful consideration of the methods employed will allow you to preserve your profits. PACLINE overhead conveyors can help in this regard.

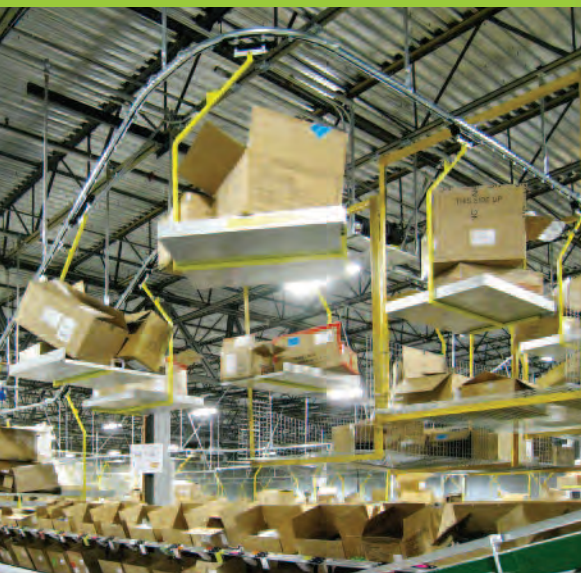
A centralized carton building area combined with a PACLINE carton delivery system will allow your order pickers to concentrate on picking. The carton delivery system can be conveniently located directly over your picking conveyors and can be routed through all levels of your picking modules.



Tote Handling

In many retail store distribution systems, reusable plastic tote boxes are the norm. These plastic boxes are bulkier and heavier than cardboard cartons and as such require special handling. Though these containers are normally stackable, they need to be located all along the picking conveyors, thereby consuming extremely expensive pick module space.

A well-designed PACLINE conveyor system can transport the totes directly from the receiving doors and deliver them directly to your order pickers wherever they may be working.



Trash Handling

PACLINE conveyors offer a cost effective means of getting vendor cartons, carton flaps or other trash out of the pick module. The conveyor can easily transport the trash to a disposal area located elsewhere in the facility.

Better yet, combine functions of delivering empty cartons or totes to the pickers and removing trash on a single conveyor system, and you will easily justify the purchase of your PACLINE system. The conversion is easy. Simply mix empty carton or tote carriers with a dumping carrier and dumping device and increase your payback potential.

CARRIER OPTIONS



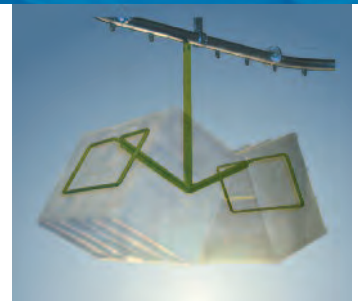
Carton Carrier #1: Choose from a wide selection of single carton carriers that we have designed over the years, or design your own to suit your application. Available in zinc-plated or powder coated finishes.



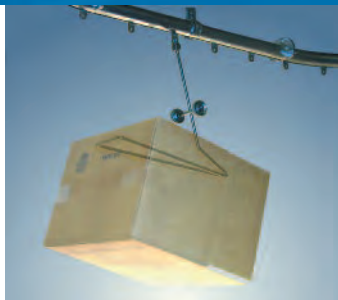
Carton Carrier #2: Increase the carrying capacity of your system with multiple carton carriers. Carry two, three or four cartons on each carrier. Tray style carriers are available when it's necessary to have a selection of carton sizes on each carrier.



Tote Carrier #1: Plastic tote boxes require different solutions due to their heavier weight. A tray carrier is often the best solution to carry one or more tote boxes, allowing easy loading and unloading. Also available with integral drip trays.



Tote Carrier #2: If you don't like the occasional cleaning required when using a tray style carrier, PACLINE offers an alternative carrier that is lighter and more cost effective. These are usually sufficient when tote boxes are relatively light.



Trash Carrier #1: These carriers are effective for removing trash cartons from picking areas. A simple mechanical device that tips the carrier is used when the carton reaches the trash bin or trash compactor.



Trash Carrier #2: When you are generating a wide variety of trash from cartons to dunnage, a bin style carrier can be used. A simple mechanical device tips the carrier when it reaches the trash area. These can be located every 4th or 5th carrier to reduce costs.

THE PACLINE ADVANTAGE

STANDARD DESIGN FEATURES

All PACLINE conveyors are available with:

- a variety of incline angles ranging from 15° to 45°, depending on carrier and load.
- speeds of up to 60 feet per minute; we generally recommend 40 fpm or less.
- can operate as a stand alone system with its own e-stops and control cabinet, or as a part of a large central conveyor control system.
- chain pendants on 6 inch centers, the closest in the industry and do not require additional attachments when changing the carrier hanging centers.
- a compact, round track design with a small slot in the underside to minimize dirt from getting into and falling out of the track. It is also safer.

SPECIAL DESIGN FEATURES

Systems can be supported from:

- the building's roof steel, using pipe or angle iron.
- the pick modules floor support beams, using standard attachment hardware.
- the building's floor using standard PACLINE "L", "T" or "F" support legs.

Safety guarding is normally used wherever the carrier and load is over an operator's head. It is easily attached directly to the conveyor using PACLINE guarding frames.

Several guarding styles are available including:

- light gage zinc plated welded wire mesh.
- heavy duty wire mesh suitable for supporting people.
- nylon fabric netting with aircraft cable and "S" hooks.

OTHER CONSIDERATIONS

Lubrication can be accomplished in a number of ways:

- grease lubrication, applied manually with a brush.
- oil lubricant applied by a brush lubricator.
- oil lubricant applied by a shot lubricator, with integral microprocessor controls for automatic cycling.

Where oil drips are not acceptable, use PACLINE dust / drip trays. They attach directly to the conveyor chain, just beneath the slot of the track. You can place them just where you have carriers, or around your entire system to ensure a clean operation. Carriers are attached directly to these trays.



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