



Pallet Configuration & Conveyor Transport



Many operations utilize pallet or slip-sheet to convey bulked material, whether in manufacturing, work in process, to feed a palletizer, or in shipping areas.

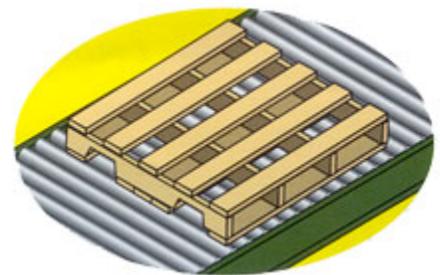
While some applications require these palletized items to only be carried the last few feet of their process, many rely solely on the pallets to carry their product throughout a facility.

Today's processes require a smarter and often unique footprint for these palletized items. However, historically these unique footprints have been difficult for the material handling, namely conveyors, to handle effectively.

But with over 55 years of diverse material handling application experience, Cisco-Eagle has applied not only standard models, but also thousands of special units to handle your product for your application.

What's the pallet like?

This is a vital first point of information. What's the condition of the conveying surface—typically the bottom of the pallet? Although you may think you're conveying a standard pallet, chances are you aren't. There are so many variations that it's likely that what you think of as a regular pallet is less common than you might think.



- Many pallets appear to be similar, but aren't. Careful attention must be paid to the pallet bottom deck. Will the pallet "runners" be parallel or perpendicular to the conveyor rollers?
- Perpendicular is always best for conveying, and parallel should be avoided if possible. If your pallets are bi-directional (runners in both directions), it can be placed on the conveyor in either direction.

Actually, most pallets are one of several variations of one-way-only stringers. Some standardization does occur in the pallet industry, and further standardization continues. But many pallet types are available and you must be aware of the type or types of pallets used on your conveyor.

All pallets are different - Some examples...



When purchasing pallets, cost is often a major concern. In this respect, we can't always expect to convey perfect pallets. But as your operation continues into the future, you should keep in mind that pallets purchased should be bought in mind with your conveyor system.

Load weight is a fairly easy measure. It begins by selecting a conveyor with enough structural and drive capacity to handle your *heaviest* load.

Listed are a few common issues that pallet or bulk handled material facilities encounter.

Application/Issue	Solution	Standard Conveyor Reference
Formed foot on pallet	Drag chain conveyor application with heavy-duty chains located securely under the critical feet.	DC family
Dirty environment or product	Chain roller conveyor. Open, durable, low elevation design is perfect for these applications. Champion of these environments.	CRR family
Staging and/or sectional removal	EZ Logic pallet handling conveyor allows for accumulation / staging with removal at any point of the process without interfering with product "lifting" from conveyor.	CREZD family
Strapping, robotic or wrapping equipment integrated	Chain roller conveyor is ideal. Most common type of rugged, low elevation conveyor used for this application.	CRR family
Heavy product	Heavy-duty chain roller conveyor with up to 1-ton per linear foot capabilities, 2hp drive standard, fixed elevation all welded supports.	36CRRH family

Additional pallet conveying resources

- [Pallet Conveyor Load Handling Guide](#)
- [Handling parallel pallet runners](#)