



## Ten Benefits of Nercon's Plastic Belt Case Conveyor Over Conventional Roller Conveyors

1. **No Dead Zones.** Dead zones occur when the product stops on the conveyor, which create unneeded slugs of cases and confusing photo eyes. In traditional roller conveyors, this can happen when one or more rollers stop turning. This is usually caused by bearing failure or improperly adjusted tension rollers. The continuous flat moving surface on Nercon's Plastic Belt Case Conveyors eliminates dead zones. Cases maintain spacing and travel is smooth with no chance of case jamming.
2. **Increased Flexibility.** Smaller cases, light carton or shrink wrapped packages are very difficult to convey on rollers. The flat conveying Plastic Belt surfaces handle all kinds of packaging without time consuming changeovers. Nercon's Plastic Belt Case Conveyors are pre-engineered to provide flexibility in a variety of system layouts.
3. **Reduced Case Damage.** Rough transfers, case jamming and litho ink build-up can all cause damage on roller systems. Plastic Belt Case Conveyors provide accurate spacing, case orientation and case alignment which prevent case damage. The plastic belts are also very easy to clean for reducing ink build up and dirt. Nercon offers a variety of chains for Plastic Belt Case Conveyors that provide safe straight transport, inclines, declines, merges and accumulation.
4. **Smooth Product Handling.** The Introlox<sup>®</sup> positive drive belt on Nercon's Plastic Belt Case Conveyor eliminates belt slippage and mis-tracking commonly found in traditional roller belt systems. These systems provide smooth product handling and low back pressure for accumulation.
5. **No Rounded Out Hex Holes.** Hex holes can become worn and rounded out from heavy roller use. This causes the rollers to bounce, causing case or contents damage. Rounded out hex holes also cause delays in maintenance. Nercon's Plastic Belt Case Conveyor frames are built for durability with 11 ga. mild steel or 12 ga. stainless steel. No hex holes are needed on these plastic belt positive drive systems.
6. **No Rollers to Cut Into Side Frames.** Nercon's Plastic Belt Case Conveyors are free of rollers, omitting all the maintenance associated with rollers including rollers cutting into the sides of the conveyor frames. Nercon's Plastic Belt Case Conveyors can be used in conjunction with existing roller conveyor systems or in combination with retrofits of Intralox<sup>®</sup> chain over existing roller conveyor frames.

7. **No Trapped Belts or O-Rings.** One positive sprocket drive powers each belt eliminating hundreds of high maintenance o-rings and conventional roller systems.
8. **Improved Worker Safety.** Many roller systems are designed for overhead conveyance. The durability of the equipment and the lasting performance of the belt, eliminate maintenance and the risk of worker injury on remote conveyors.
9. **Reduced Noise Levels.** Intralox ® belts run on wearstrips or a flat conveyor bed, eliminating hundreds of noisy bearings. Nercon's Plastic Belt Case Conveyor Systems operate much quieter meeting OSHA requirements. A major consumer goods manufacturer recently conducted a noise study on Intralox® plastic belts and found a noise reduction of 2 – 3 DBS.
10. **Less Maintenance.** The Plastic Belt chain has a significantly longer life than conventional rollers. Plastic Belt Case systems have only 4 bearings per conveyor (on the drive and idle shaft). Roller systems have hundreds of bearings to replace. Intralox studies have proven that exchanging plastic belts for rollers can save 50% to 85% in maintenance depending on the application.

Modular in design, Nercon's Plastic Belt Case Conveyors can be configured for a variety of applications including transportation, accumulation, curves, incline, declines, merges, diverts, brake belts and metering belts. Nercon's Plastic Belt Case Conveyors can also be combined with custom elements such as air operated guide rails, case stops, case turners, case inverters, case twists, turntables, right angle transfers and powered divert rails.

Nercon Engineering & Mfg., Inc., 3972 S. Hwy. 45, Oshkosh, WI 54902

PH: 920-233-3268 FX: 920-233-3159 [www.nercon.com](http://www.nercon.com)

All rights reserved.