



The Hingeless, Tensionless, Positive Drive Solution for Food Processing Applications

A plastic homogeneous conveyor belt that can be sprocket driven, yet has no hinges!

ThermoDrive® Sprocket Driven Hygienic Belting is the solution to ongoing problems of excessive wash down methods, expensive product waste and disastrous product contamination. ThermoDrive belts are positively driven and run on industry standard sprockets. ThermoDrive belting can be adapted to run on existing modular belt conveyor structures. ThermoDrive conveyor belting does not require any pre-tension and will not stretch. This new thermoplastic belt is homogeneous with no fabric reinforcement and minimises the chance of bacterial ingress. USDA / NSF approved. ThermoDrive belting is available in 1" and 2" pitch in both white and blue and in various thicknesses to suit differing applications.

- **Smooth, Continuous Conveying Surface**
 - No Niches
 - Excellent product containment
 - Excellent product release
 - Minimizes/eliminates in-process water usage
- **Sprocket Driven**
 - Uses industry standard sprockets
 - No belt/drive slip
 - No pre-tension required
 - Runs on existing modular conveyors
- **Enhanced Cleanability**
 - Significantly reduces sanitation water consumption
 - Significantly reduces wash-down times
 - Significantly reduces high pressure spraying
 - Drop-in replacement of modular belting
- **40-60% Less Weight than Modular**
 - Quick, easy installation
 - Eliminates the need for heavy lifting
 - Decreased wear of conveyor systems
 - Can be used on lighter duty conveyors
- **Lateral Stability – Continuous (Full Width) Drive Teeth**
 - Incline/decline applications
 - Swan-neck/goose-neck applications
 - Continuous flight construction
 - Belt lays flat



Fresh Cut Incline Conveyor



Chicken Portions Conveyor



Overhead Conveyor



Gooseneck Conveyor



Pork Trimming Conveyor



PATENT PENDING

PERFECTING MOTION

THERMOTRIVE® BELTING

SPROCKET DRIVEN HYGIENIC BELTING

A MOL INDUSTRIES PRODUCT

Sanitation ThermoDrive plastic belting was developed using *AMI's 10 Principles of Sanitary Design* throughout our entire R&D process. The two-dimensional solid surface of ThermoDrive is a marked improvement over the three-dimensional web of link-joints that is characteristic of modular belting. By eliminating the 3rd dimension (modules), ThermoDrive belting significantly reduces the time and effort required for proper cleaning and sanitizing.

Water, Water, Water ThermoDrive plastic belting can easily be washed in place. There is no need to remove belts for soaking because ThermoDrive has no bacteria harboring hinges, pins, etc. No need to spend so much time and water to “spray through” all of the hinges, pins, etc. Additionally, ThermoDrive’s solid surface allows lowest effective pressure to be used which dramatically cuts down on aerosols and condensation. With 42% less surface area than modular belts, washing and sanitizing takes up to 80% less time, effort, and water. Think of the savings!

Maintenance With no need to remove belts for deep cleaning and sanitizing, turn re-active maintenance into pro-active maintenance. Also, with no pins, hinges or link joints, you can eliminate the continuous maintenance needed to replace broken pieces of modular belting. Think of the maintenance hours you will gain by changing to ThermoDrive plastic belting!

Production ThermoDrive plastic belting flexes as it makes a smooth radial turn around the sprockets. This smooth flex aids in the release of the product from the belt and also makes it scraper friendly in the case of stubborn release products. Take a look at your modular conveyor systems. How much product is being “carried over” and dropped on the floor? How much product is migrating into and through the hinges? How much product is being needlessly wasted? Think of the savings to be gained by packaging more product!

