

TipTrak Bucket Conveyors

For Fragile Applications



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TipTrak™ bucket conveyors provide the gentlest handling, least spillage, lowest maintenance, and quietest operation of any bucket conveyor system. Used in facilities the world over, TipTrak™ conveyors have become synonymous for unmatched reliability and performance in the conveying of bulk materials.

Ensuring product integrity as it travels from one process to another is often one of the biggest challenges faced in bulk material handling. Whether it is in the food or chemical industries, processors need their product to have a damage-free ride. Gentle handling of product is especially critical when it is necessary to convey friable/fragile materials and minimize product degradation or damage.

Conveying fragile materials means more than just protecting the product from breakage. While simple breakage of material is common, surface damage such as scoring and degradation, causing dusting in dry particles, are also frequent concerns.

For over 45 years, UniTrak has been committed to perfecting the smoothest ride possible for your product. In particular, our TipTrak™ bucket conveyor line has been specifically designed for the gentle handling of a wide variety of materials, while our Powderflight aeromechanical conveyors are well suited for gently conveying powders and granules.

Fragile materials handled:

Food:

Cereal flakes
Chewing gum
Coffee
Cookies
Fruit & vegetables
Ice cubes
Pasta
Pet food
Snack food
Vitamins

Non-Food:

Ammonium nitrate
Catalyst & carriers
Coated seeds
Fertilizer
Friable pellets
Pastilles
Propellant
Metal crystals
Sulphur flakes
TNT flakes



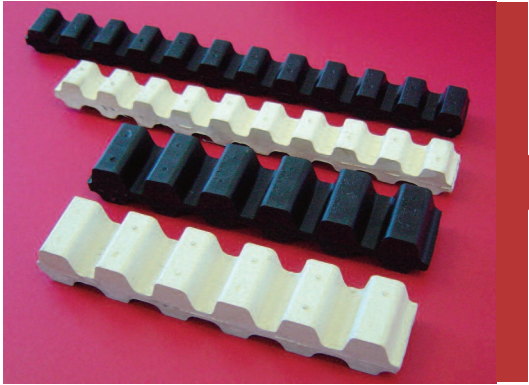
QUESTIONS? PLEASE CONTACT US
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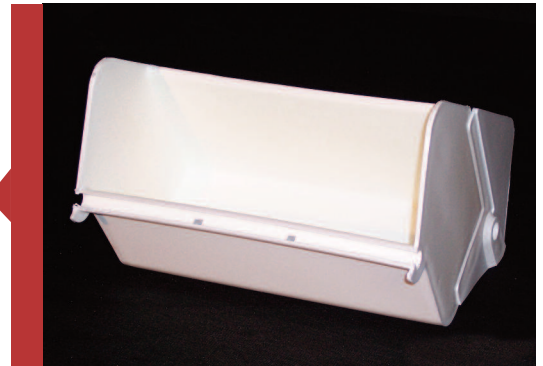


Our TipTrak™ interlocking bucket conveyor line has been specifically tailored for gentle-handling. The five features below are what enable TipTrak™ bucket conveyors to meet the fragility challenge:



The smooth ride of the rubber *belchain*. Instead of the usual metal chain that can stretch and eventually result in a bumpy ride for your product, TipTrak™ bucket elevators feature a unique, rubber chain that, once installed, does not require tensioning. This guarantees a smooth and quiet ride for your product.

Interlocking buckets. Available in a variety of sizes, the interlocking buckets on TipTrak™ bucket conveyors are permanently connected with a rubber joint strip which means that they never separate. TipTrak™ conveyors can handle large volumes of product and gently convey them continuously from point A to point B.



Variable speed motor/controls. Depending on the friability of your product, you can slow down or increase the speed to reduce degradation and thereby ensuring a high quality product.



No transfer points. TipTrak™ bucket elevators can run from horizontal to vertical to horizontal, in a “Z” or “C” configuration, from a single drive. This eliminates transferring the product from one conveyor to another, which is a major cause of product damage.

Infeed and Discharge chutes. TipTrak™ bucket elevators can be supplied with customized infeed and discharge arrangements, designed to promote product flow without damage or breakage.

TipTrak™ bucket conveyors are designed to service a wide variety of bulk material conveying applications. With over 45 years of proven performance in facilities the world over, TipTrak™ bucket conveyors provide unmatched reliability in even the most demanding applications. TipTrak™ bucket conveyors are available in a wide range of constructions, sizes, and configurations, and every unit can be precisely customized for your application.