

TipTrak Bucket Conveyors

For Dusty 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 conveying bulk materials.

Successfully conveying powdered materials requires giving careful thought to the issue of product dusting. Aside from the challenge of continually cleaning deposits of airborne dust, there is the added consideration of preventing a fire or explosion due to the accumulation of combustible dust. Taken together, all of these considerations add up to risk – risk that can only be addressed by selecting conveying equipment specifically designed and engineered to effectively control product dusting.

At UniTrak, we help processors to surmount the dusting challenges associated with conveying powders with two bucket conveyor designs: TipTrak™ PEC and TipTrak™ Monocoque. Both of these equipment designs can successfully handle dusting challenges.



Dusty materials handled:

Food	Oats - rolled	Miscanthus grass
Antacid tablets	Onion- dehydrated	Perlite
Barley - whole green	Sugar- agglomerated	Phenolic resin
Bird seed	Sugar- granulated	Platinum, palladium
Breakfast cereal	Tea	Polycrystalline silicon
Calcium	Whey powder	Potting soil
Candy sprinkles		Resin & Plasticizers
Chili powder	Non-Food	Silica - fumed
Coffee - soluble	Alumina- activated	Silvinita
Coffee - whole bean	Alumina- calcined	Sodium bicarbonate
Cornstarch	Chrome oxide	Struvite
Fish protein	Clay- crushed	Sulphide ore
Flaxseed - milled	Detergent	Concentrate
Flour	Fiberglass	Sulphur granules
Granola	Gun powder	Urea
Hemp protein powder	Kitty litter	Wood pellets & chips
Oat bran	Metal crystals	...plus many more

QUESTIONS? PLEASE CONTACT US
SALES@UNITRAK.COM OR 1.877.864.8725 (Toll-Free)

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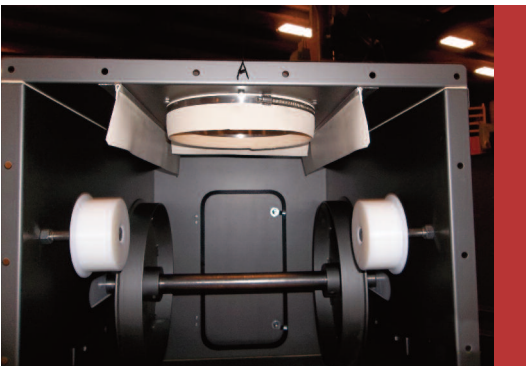
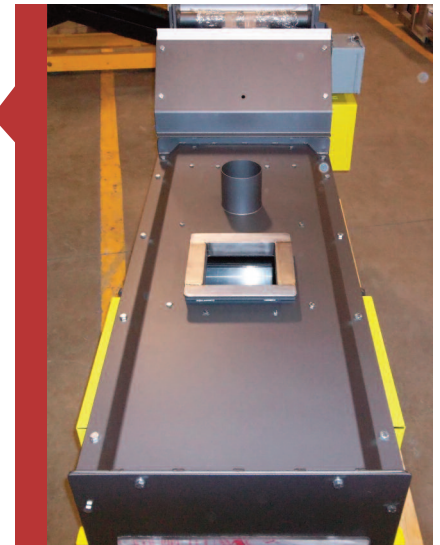
TipTrak™ bucket conveyor designs can be tailored specifically to service dusty applications. TipTrak™ conveyors *customized* for dusty applications have the following features:



Enclosed designs. For high volume conveying, TipTrak™ PEC and Monocoque units are a preferred choice to address the challenges of product dusting. TipTrak™ PEC conveyors have an enclosed design which can reduce the effects of product dusting. Where product dusting must be fully controlled, TipTrak™ Monocoque units are recommended.

TipTrak™ Monocoque units have fully enclosed and sealed frames designed to run both dust-tight and gas-tight. TipTrak™ Monocoque units feature a strong structural design that features gasketing between sections and around all access doors, providing dust-tight operation.

Dust collection connections. On TipTrak™ PEC and Monocoque models, 3" or 4" diameter ports are provided to enable direct connection to an onsite dust collection system.



Special inlet design. UniTrak uses a custom round inlet for a better sealed connection to your infeed equipment. Includes the addition of an internal natural rubber tube that directs the product and fines into the buckets.

This overall combination of sealed infeed connection and controlled flow will insure that the product is contained, significantly reducing dusting during product infeed.

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.