



Product News

Flexicon: Mobile Screener-Conveyor Handles Non-Free-Flowing Materials

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Whitstable, United Kingdom –

A new BEV-CON™ Mobile Flexible Screw Conveyor with Round Vibratory Screener by Flexicon removes oversize particles and reduces soft agglomerates before conveying on-size bulk materials from powders and large pellets that flow freely, to non-free-flowing products that pack, cake, seize or smear due to compression or frictional heat. Ready to plug in and run, the castor-mounted system can be rolled into position, locked in place with jacking footpads, and connected to an upstream material source in several minutes.

A rugged flexible screw with geometry optimised for difficult-to-move products, is the only moving part contacting material, and is driven above the point at which material exits the conveyor, preventing material contact with seals, and associated bearing failure and product contamination. As the screw rotates, it self-centres within the conveyor tube, providing clearance between the screw and tube wall, eliminating or minimising product degradation. Aside from the smooth polymer conveyor tube, all material contact surfaces are of stainless steel finished to food, pharmaceutical or industrial standards. A lower clean-out cap can be removed to flush the smooth interior surfaces with steam, water or cleaning solutions, or to fully remove the flexible screw for cleaning and inspection.

Flexicon also produces other flexible screw conveyors, pneumatic conveying systems, tubular cable conveyors, bulk bag dischargers, bulk bag conditioners,

box/drum/container ... bag dump stations, weigh batching
and blending system ... wide bulk handling systems with



automated controls.