



Product News

Flexicon: High Capacity Tipper for mobile Bins

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Whitstable, United Kingdom -



Open-Chute High-Lift Tipper raises and tips wheeled bins weighing up to 1350 kg to a height of 1.5 to 3 metres, charging a 1.7 m³ hopper and, in turn, a flexible screw conveyor under automated controls.

The system automatically lifts a mobile bin at variable heights up to 3 metres above floor level, opens the gate-style lid of the 1.7 m³ capacity receiving hopper, dumps the entire contents of the bin into the hopper, and returns the bin to the plant floor as the hopper lid closes, isolating the material from the plant environment. A laser curtain prevents operation until the bin is secured and the area cleared, eliminating the need for a safety cage with interlocked doors. The design of the receiving hopper includes a vibratory "live" bottom to promote the uninterrupted passage of non-free-flowing material through flexible downspouting into the material charging area of a flexible screw conveyor. This conveyor stops and starts based upon loss-of-weight signals from load cells to the system, delivering the desired weight of material to be transferred. The unit is constructed of stainless steel finished to food, dairy, pharmaceutical or industrial standards, and is also available in carbon steel with material contact surfaces of stainless steel. The company also produces drum tippers and box tippers, as well as bulk bag dischargers, bulk bag conditioners, bulk bag fillers, flexible screw conveyors, tubular cable conveyors, pneumatic conveying systems, bag dump stations, weigh batching and blending systems, and engineered plant-wide bulk handling systems with automated controls.