



Product News

Flexicon Tilt-down Conveyor ups Flexibility and Convenience

Edited by on 20. Apr. 2023

Whitstable, United Kingdom -

A new Mobile Tilt-down Flexible Screw Conveyor fits restrictive processing situations, and offers a low centre of gravity and full accessibility from standing height. Positioning of the support boom against and parallel to the conveyor tube minimises the height needed to manoeuvre the system under doorways and mezzanines, and to fit the conveyor's discharge between process equipment inlets and overhead obstructions. A low centre of gravity maximises stability during operation and when rolling the unit between multiple processing tasks and wash down stations.



Flexicon Mobile Tilt-down Flexible Screw Conveyor with support boom positioned against and parallel to the conveyor tube can manoeuvre through low headroom areas, discharge in restricted spaces throughout

the plant, and then roll to a wash down station.

When fully lowered, the tilt-down mechanism positions the clean-out cap of the conveyor tube higher off the plant floor, and the conveyor's discharge closer to the floor, allowing removal and re-insertion of the flexible screw from standing height during cleaning and inspection.

The screw is the only moving part contacting material, and is driven beyond the discharge point, preventing material contact with bearings or seals. It self-centres as it rotates, providing ample clearance between itself and the tube wall to eliminate or minimise grinding, while creating a gentle rolling action that prevents segregation of the most disparate blends.

Constructed of #316 stainless steel finished to sanitary standards, the mobile system is equipped with a low profile hopper with bag support tray; quick-release clean-out cap; quick-disconnect discharge access cover; and stainless control panel, conduit and liquid-tight compression fittings, allowing wash down and/or conveying of corrosive materials.

Ready to plug in and run, it includes HMI controls for manual or automatic start/stop and speed adjustment, and a manual hydraulic jack to raise and lower the support boom and conveyor assembly.

A broad range of screws with specialised geometries is available to handle free- and non-free-flowing materials, including products that pack, cake or smear.