



Product News

Twin Tilt-Down Flexible Screw Conveyor on Mobile Base built to 3-A Standards

Edited by on 29. Feb. 2024

Whitstable, United Kingdom & Bethlehem (PA), United States –

New from Flexicon is a Twin Tilt-Down Flexible Screw Conveyor system with dual hoppers on a common mobile base, constructed and finished to 3-A sanitary standards. Ready to plug-in and run, the self-contained system can fill two vessels with the same material simultaneously, or convey two different materials. Mounted on a frame with locking castors for in-plant mobility, it can be utilised in multiple locations, and rolled to a wash-down booth.



Twin BEV-CON™ Flexible Screw Conveyor system with dual hoppers on a mobile base transfers difficult-to-convey materials at multiple plant locations, simultaneously or separately, and can be rolled to a wash-down station for sanitising. (Picture: ©Flexicon Europe Ltd.)

Each 113-liter hopper is equipped with grates capable of supporting a 115 kg bag of material, level sensors, and mechanical agitator assemblies to promote flow into the conveyor inlets.

The two BEV-CON™ conveyors are engineered to move dry bulk solids efficiently without product degradation, especially non-free-flowing materials that pack, cake, smear, fluidise, compress, or are otherwise problematic to convey. The screws are the only moving parts contacting material, and are driven beyond the point at which material is discharged, eliminating wear and contamination related to product contacting seals and bearings.

Discharge housings of the conveyors are supported by dual motorised booms that cantilever from the mobile base, allowing discharge of material into processing equipment or storage vessels. The support boom and conveyor assembly can be tilted down to manoeuver through standard doorways and aisles, and around corners for use anywhere in the plant.

The system is constructed to 3-A standards, and features sanitary quick-release clean out caps, quick-disconnect discharge box access covers, and wash-down motors.

The stainless IP65 (NEMA 4X) control panel allows operation of either or both conveyors. HMI controls allow manual and automatic start/stop, reverse and variable speed adjustment.