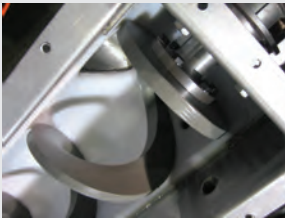
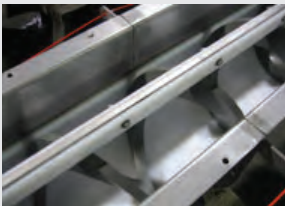


One-Piece Flanged Drive Shaft



Flanged and Bolted Spiral



Spiral Hold-Down

Conveying Wet, Sticky Bulk Materials Using Shaftless Screw Conveyors

Question

We manufacture fine chemicals and are having problems conveying a wet, sticky product that discharges from our centrifuges. What type of conveyor will work best for my application?

Answer

Shaftless screw conveyors are the perfect solution and designed to efficiently convey semi-fluid and sticky bulk materials. Wet and sticky bulk materials will adhere to the center pipe of a conventional shafted screw conveyor and reduce the conveying capacity. The shaftless screw design is non-clogging because of the absence of a center pipe, which also eliminates the need for intermediate hanger bearings. The shaftless spiral provides the conveying surface and is directly connected to the drive unit.

The shaftless screw conveyor can solve many other application problems. They can be designed completely gas-tight to eliminate the escape of any harmful vapors. Also, material with large lumps can be easily conveyed and reduced in size by the spiral action of a shaftless screw conveyor.

Typical construction includes high-strength spirals, stainless steel housings with reduced-friction liners and high-torque drive units. Shaftless screw conveyors are used in many industries such as chemical, food processing, pulp & paper and waste-water treatment.



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