



What are Screw Conveyors Used for?

Question

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Answer

Screw conveyors are used to convey bulk materials from one part of a process to another and are available in a wide range of sizes, lengths, configurations, and materials of construction. Screw conveyors are always control fed at the inlet by a device that regulates the flow such as a rotary airlock, screw feeder, belt conveyor, or even another screw conveyor.

Screw conveyors are typically designed to convey bulk materials at 15, 30, or 45-percent trough loading, depending upon material characteristics of the specific bulk material. As a general rule, trough loading of 45-percent can be used for light, free-flowing and non-abrasive bulk materials. Trough loadings of 15 and 30-percent are typically used for denser, sluggish, and more abrasive bulk materials.

KWS Video: Screw Conveyor vs. Screw Feeder



Screw Conveyors are Always Control Fed at Inlet



Screw Conveyor Transfers Pulverized Limestone from Mill to Belt Conveyor



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