



## Vertical Screw Conveyor Design Worksheet Simplifies Design

### Question

I have space constraints in my facility and am considering using a vertical screw conveyor to elevate my bulk material. Based on research, it seems that vertical screw conveyors operate differently than horizontal and inclined screw conveyors. I need a set of questions or a worksheet so I can get the correct information to KWS for specifying a vertical screw conveyor. Please let me know what information is available.

### Answer

KWS offers detailed design worksheets to assist you in collecting the necessary information. For vertical conveying applications, it is imperative to understand bulk material characteristics, lift height, required capacity, inlet and discharge conditions, operating hours, temperature, and environmental factors. These details directly impact the type of vertical screw conveyor selected and overall system design.

Providing complete and accurate data allows our engineering team to properly size the conveyor, select appropriate materials of construction, and design for long term, reliable operation. All KWS resources are available at [www.kwsmfg.com/forms-and-downloads/](http://www.kwsmfg.com/forms-and-downloads/).



Vertical Screw Conveyors are Ideal for Processes with Space Constraints



Understanding Bulk Material Characteristics and Other Factors are Important for Proper Vertical Screw Conveyor Design



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