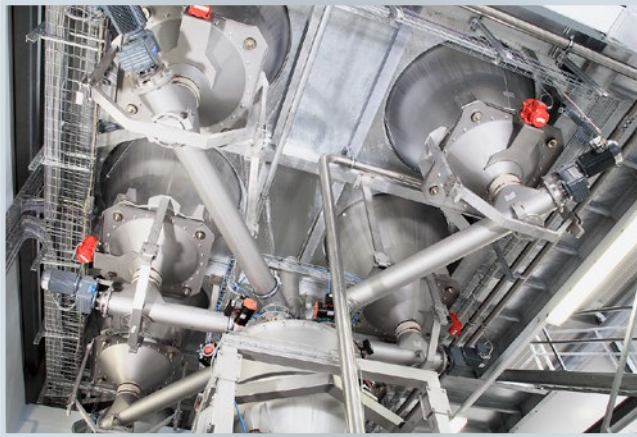


TUBULAR / DOSING SCREW CONVEYORS

FOR DOSING THE EXACT COMPONENT QUANTITY INTO A CONTAINER OR SCALE



CONVEYING SYSTEMS | TUBULAR/DOSING SCREW CONVEYORS
1.01E | IJD | V16-01



Special advantages of the tubular screw conveyors:

- Flexibility – wide range of sizes & design features
- Customized solutions
- Exact design to minimize material residue

Functional principle:

The material is fed into the product inlet and is then gently conveyed through the screw conveyor by the helix blades. The throughput is determined by the rotational speed and can be controlled with a variable frequency drive.

By carefully selecting the correct design parameters one can convey almost any powdery material with a tubular screw conveyor. Various design implementations yield optimized solutions for various customer requirements. Examples are fast and easy cleaning features, air purge fittings for meeting highest hygienic standards, and the usage of the fit material and surface finish for the corresponding application at hand.

Optional design for fast disassembly without the use of tools for quick cleaning and inspection.

Dosing screw conveyors are used for dosing the exact component quantity into a container or scale. Different speeds for coarse and fine metering combine a high throughput volume and exact dosing.

A great bandwidth of sizes and design features provide the fit solution for specific customer requirements in the foods-, chemical-, animal feed- and plastics industries.

Design:

- Flow-stop-end-flap at the screw discharge
- Progressive pitch at the inflow
- Drive station incl. geared motor
- In stainless steel, material AISI 304
- Surface: pickled and passivated

Option:

- Optional fast disassembly features allow for quick cleaning and inspection without the use of tools
- Optional designs for the foods-, animal feed-, chemical- & plastics-industries
- Optional dust explosion rated design (ATEX)

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