

CONVEYING, SCREENING, DEWATERING ALLROUNDER FOR YOUR LIGHT BULK MATERIAL

NATURAL FREQUENCY CONVEYOR

The AViTEQ-Natural frequency trough conveyor/screens are an ideal solution for the food industry when there is a need for conveying, screening and dewatering of light or sensitive bulk solids. The Natural frequency conveyors follow the principle of the dual mass vibration system which is resulting in a high working stroke of the conveyor trough. They are characterized as follows:

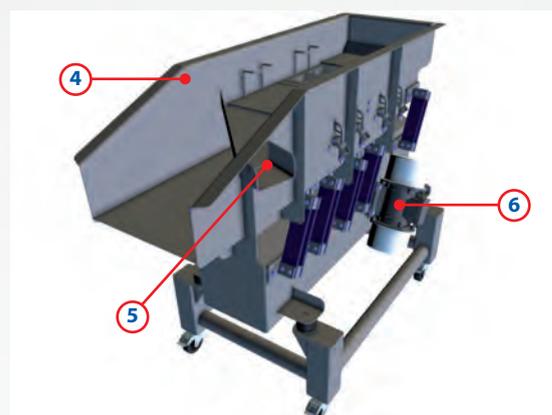
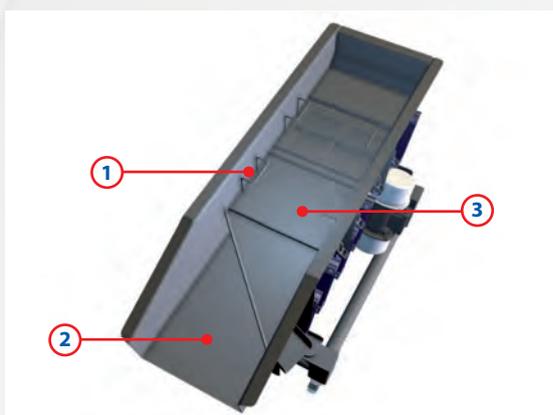
+ Compact, low profile design ++ Low noise operation ++ Smaller drives compared to other systems ++ Ideal for dosing bulk material ++ Various designs of troughs and screens +

BULK MATERIALS

The following bulk materials are ideal for the natural frequency conveyors: potatoes, vegetables, nuts, dried fruit, fruit and berries, leafy vegetables, snacks, seeds and cereals, meat and cheese and much more.

VARIANTS

Classifying and Dewatering conveyor, Feeding conveyor, Dosing conveyor (magnetic variant available)



- 1 Easy replacement of screen decks for cleaning or replacement due to the use of quick release fixings, therefore avoiding contact within the wet product area
- 2 Available in either V2A (304) Stainless Steel or V4A (316) Stainless Steel, textured finishes, surface treatments (e.g., stained / passivated, brushed, electropolished). Different screens inserts available, optionally fitted with ball or triangular screen cleaning.
- 3 Adhesives and seals selected to suit the specific application for the food and pharmaceutical industry
- 4 Optional: closed version with dust tight inlet, outlet and inspection nozzle
- 5 Optional: different outlet variants possible
- 6 Drives: Electromechanical (available in Stainless Steel) or Magnetic, both types available with ATEX certification

KEY FIGURES

- ▶ Length: up to 5,000 mm (longer on request)
- ▶ Width: up to 2,000 mm (wider on request)
- ▶ Throughputs: up to 300 t/h
- ▶ Drives: Electromechanical or magnetic



MORE PRODUCTS FROM AViTEQ YOUR PRODUCTION IN FLOW

Trough conveyor



Trough feeder



Spiral conveyor



Compact feeder



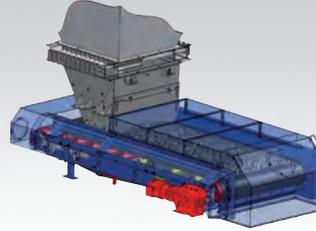
Dewatering screens



Linear fine screens



Belt weigh feeders



Loss-in-Weight system



UNSHAKEABLE QUALITY

AViTEQ systems and components feature comprehensive functionalities including: conveying, sorting and dosing, screening, classifying and dewatering, compacting and loosening, cooling and heating of various bulk materials. We provide extremely varied solutions and can apply these functionalities to suit small pills and coffee beans, as well as rocks and metal pieces weighing tons.



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