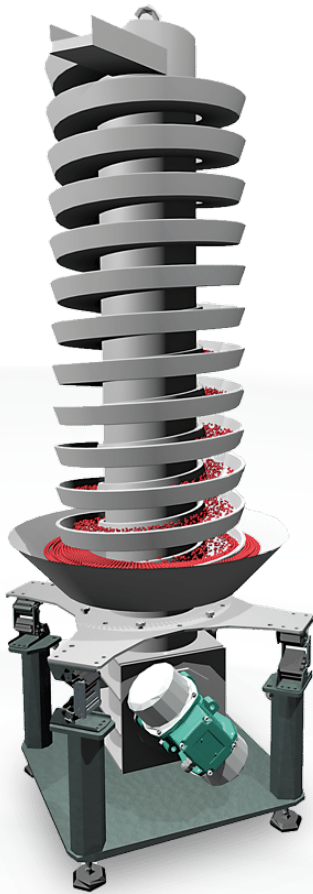




Vertical conveying

Cooling and heating

Flexible use

CONVEYING TECHNOLOGY

Spiral conveyor

Function

With the versatile spiral conveyor from AViTEQ , you can combine vertical material transport, cooling or heating processes and many other processes in a very small space. It is suitable for fine-grained to coarse-grained bulk materials as well as lumpy materials and is used in a wide range of industries. With additional installations, it enables thermal or process-related product treatments and transports bulk materials flexibly upwards or downwards.

Application advantages and benefits

- Material-friendly, energy and space-saving conveying
- Hygienic design for the chemical, plastics and food industries
- Natural cooling due to dwell time
- Direct cooling with air or indirect cooling with water
- Heating directly with air radiators or indirectly with thermal oil or water
- Replacement for bucket elevator

Installation

Overview of the main components:

- Helical attachment made of standard, stainless or special steel with single or double bases
- On request, the inlet plate and helical conveyor can be supplied with plastic spray coating for wear protection
- Particularly heat-resistant design (conveyed material temperature up to approx. 900°C) available on request
- Drive frame with unbalance motors (depending on requirements, the spiral conveyor can be designed with the drives at the top or bottom)
- Stationary or mobile design
- Open or closed design (closed design with oscillating cover or stationary housing)



Individually adaptable, efficient conveyor systems

We can provide you with the right spiral design, materials and linings for every bulk material to ensure a long service life for your conveyor system. We provide you with a choice of systems with suitable conveying heights, conveying speeds and diameters so that you can achieve the desired throughput. Special process engineering requirements for cooling or drying are also taken into account in your decision. Finally, ambient conditions, temperature and humidity are also included in the planning to guarantee corrosion resistance.

- Suitable spiral conveyor type for your conveyed goods
- Appropriate delivery height, gradient and speed
- Desired delivery head with required energy and power
- Fulfillment of process engineering requirements
- Consideration of the operating conditions
- Utilization of the available installation space

Technical Data

Up to
8.000
millimeter delivery
height

Up to
1.500
millimeter diameter

Up to
30
m³/h throughput