

ADVANTAGES

- Horizontal and inclined bulk material conveying
- Dust-tight design for clean process integration
- High conveying capacity with compact design
- Adjustable pitch for different materials
- Low maintenance requirements and operating costs
- Continuously adjustable discharge
- Electronic monitoring (e.g. speed, material blockage)
- Suitable for dosing and simple mixing tasks

Extensive customization options:

- Maintenance and cleaning openings
- Multi-chamber and multiple discharge designs
- Bolted screw construction for easy replacement
- Screw flight in various designs available
- Various trough designs in steel, stainless steel, and wear-resistant versions

OPERATING PRINCIPLE

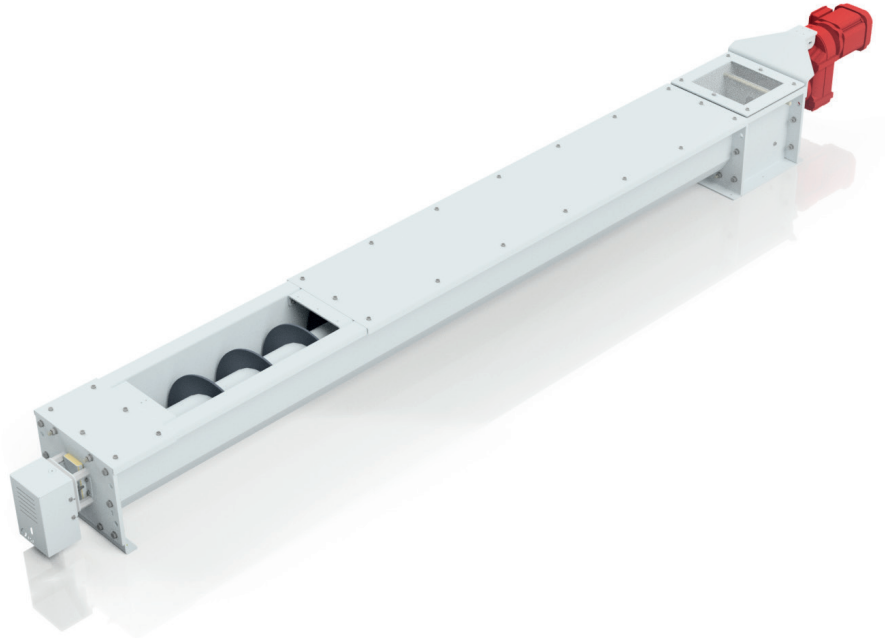
The trough screw conveyor continuously conveys bulk material via a rotating screw shaft along the trough.

Gravity and friction between the material and the trough walls prevent the material from rotating with the screw, ensuring controlled axial conveying.

APPLICATION

Conveying of a wide range of raw materials, powdery or granular bulk materials as well as heavy or poorly flowing materials.

Suitable for enclosed, dust-tight conveying processes.



TECHNICAL DATA

Type	TS150	TS200	TS250	TS350	TS450
Length	up to 5,000 mm	up to 5,000 mm	up to 6,000 mm	up to 10,000 mm	up to 10,000 mm
Screw diameter	150 mm	200 mm	250 mm	350 mm	450 mm
Outlet width	170 mm	220 mm	270 mm	370 mm	480 mm
Trough design	U-shape, V-shape, tubular screw, and food-grade trough shape				
Trough material	Carbon steel, stainless steel, wear-resistant steel				
Conveying capacity (up to)*	approx. 1,0 m³/h	approx. 2,5 m³/h	approx. 5,5 m³/h	approx. 17,5 m³/h	approx. 37,5 m³/h

*Depending on material flow characteristics, filling level, screw pitch and rotational speed.