

Shaftless screw conveyor

Application

Industry

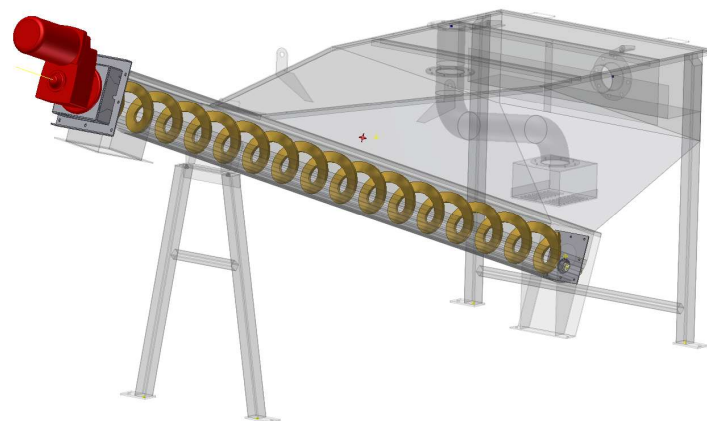
Water treatment, process water management, waste processing, rendering plants, fish processing industry, biomass, paper and pulp, horticulture, sugar production, and many more.

Advantage

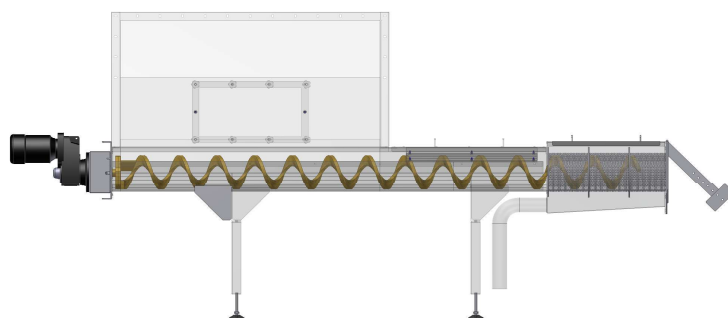
Easy to clean, inspectable, low maintenance, long service life – extremely suitable for sticky products and dewatering.

Versions:

Multiple shaft systems for discharging product hoppers, foldable bottoms, and hinged lids that can be positioned from horizontal to vertical. Our experts are ready to answer your questions.



3D layout of a sand separator



Dewatering screw press for paper sludge



Rotary dewatering screw press



Heated version for pre-drying

Description

The term "low maintenance" also applies to shaftless screw conveyors — a globally used conveying principle offering excellent value for money. They are highly versatile and suitable for a wide range of applications. Angled configurations are available up to 20 degrees; 90-degree setups are also possible, though highly dependent on the characteristics of the conveyed product. Depending on the specific situation, support spirals are used to prevent backflow of the material.

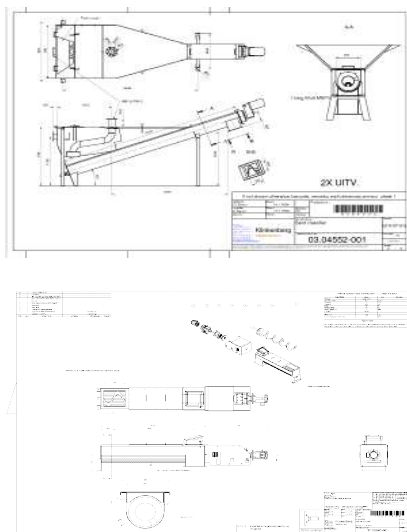
Application:

Klinkenberg's shaftless screw conveyors are widely used across various industrial sectors, thanks to their robust design, low maintenance requirements, and ability to handle a broad range of bulk materials. Their versatility makes them ideal for industries such as food processing, wastewater treatment, recycling, and chemical production, where reliable and efficient material transport is essential.



Shaftless pressing screw welded using a wear-resistant electrode for enhanced durability

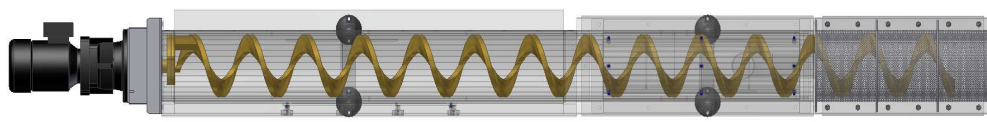
3D Engineering



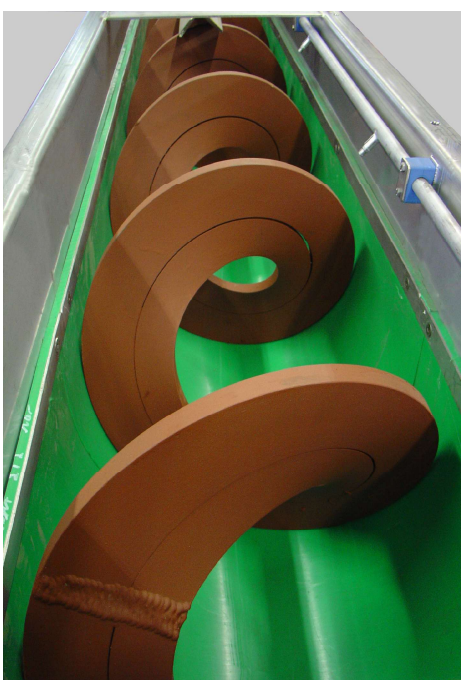
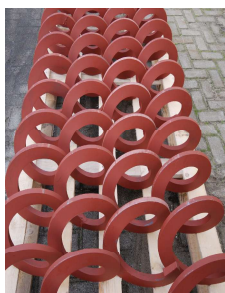
Data

Model	Press length	Capacity	Material
ATS-80, 90, 100	On request	Customer-specific	Steel / SS
ATS-120, 140, 160	On request	Customer-specific	Steel / SS
ATS-175, 190, 210	On request	Customer-specific	Steel / SS
ATS-215, 230, 240	On request	Customer-specific	Steel / SS
ATS-280, 290, 315	On request	Customer-specific	Steel / SS
ATS-320, 350, 365	On request	Customer-specific	Steel / SS
ATS-380, 400, 405	On request	Customer-specific	Steel / SS
ATS-420, 450, 460	On request	Customer-specific	Steel / SS
ATS-480, 500, 600	On request	Customer-specific	Steel / SS

Versions / Options



3D model of a shaftless screw conveyor with a press basket mounted at the discharge end



Shaftless screw conveyor with housing made of stainless steel 304, equipped with an HDPE-1000 liner and spray nozzles



Shaftless screw conveyor entirely constructed from stainless steel 316L, equipped with hold-down bars

