



Two conveying technologies to meet every need



**Shaftless Spiral
Conveyor**



**Vertical Spiral
Conveyor**

AKIS offers solutions with a wide range of machines for the treatment of water and waste.

Spiral Conveyors

The shaftless spiral conveyors comprise: a gear motor, a spiral (shaft less screw) made of Swedish steel, U-trough provided with removable covers. The screw lay within the trough on a wear liner type: PEHD liner, wear bars or wear plates. The type of the wear liner depends on the material to be conveyed.



The shaftless screw conveyors are used to transport various types of products:

- Sticky products: sludge, sludge mixed with lime, paint, chocolate,
- Powder: ash, straw, slag,
- Fibrous: screenings, pulp,
- Large: garbage and industrial
- Mixed compost, sludge limed, sandy water, fertilizers,
- Bulk: cement, sand, bark chips.

Spiral conveyors



Capacity of our conveyors: 0 to 500 m³/h.
Dimensions of diameter of the screw: 150 to 800mm.

Various positions are available for the installation of our conveyors: horizontal, inclined or vertical. We can provide facilities with turnkey installation. Our expertise allows the manufacture of very long conveyor lengths fitted with a single motor.





AKIS Spiral conveyors are perfectly adapted for conveying sticky products such as limed sludge from industrial or municipal wastewater treatment plants. Beside: Installation of screw conveyor for dewatered sludge from centrifuge, sludge/lime mixer AKIS series M500 and finally a discharge conveyor to the storage area.



Our vertical conveying system can be used for many products, for example to mix and convey sludge to a storage silo. AKIS vertical conveyors are very reliable and efficient. They require minimal operating costs and are used for many applications, such as wastewater treatment plants or in various industries.



Complete sludge handling system. Conveyors receive the dewatered sludge from filter presses. The silo for storage is in the building. The extracting of the sludge from the silo is done by multiple screws. The transport of the sludge after the silo is executed with two vertical screws. Truck loading is performed by two horizontal screws on the bridge (see photo beside).