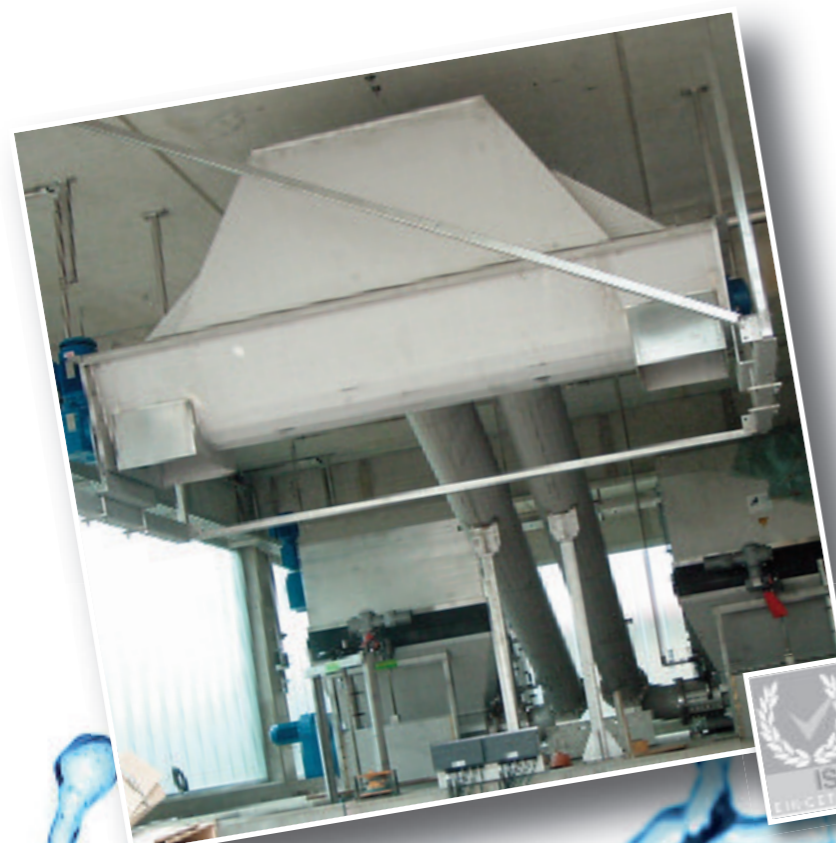




**FSM Frankenberger
GmbH & Co. KG**

Equipment for Water
and Waste Water
Inlet Works



Screw & Spiral Conveyor



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FSM Screw & Spiral Conveyor



FSM conveyors are used to convey solid matter and are available in two main designs – as a screw conveyor with self-supporting central shaft or as spiral conveyor without central shaft.

Applications range from municipal sewage plants to industrial applications in the foodstuff and paper industries, in waste product and recycling plants etc.

The conveyors are further used in reception stations for road sweepings or sewer grit.

Here, the conveyors can be directly fed by suction vehicles or similar equipment.

Functional principle:

The screw conveyor can be directly charged via a coarse or fine screening unit, a screw conveyor or a screenings wash compactor. The screenings are then conveyed to the discharge point.

The discharge points can be variably arranged so that a complete container can be filled by one container. The screw conveyors can be provided in pivoted or travelling versions.

The "intelligent" screw conveyor can fill several container trolleys in combination with FSM container trolleys, the container can be uniformly filled without recourse to manual operation. When a double screw conveyor is used, the discharge hopper can be provided with an automatic slewing chute.

The material can be discharged to a wash compactor, belt conveyor, container etc.

Features:

- High reliability through robust construction



- Can be extended to become a reception station for sewer grit and street sweepings
- Capacity customised
- Length of conveyor up to 30 m
- Excellent cost/performance ratio
- Nearly wearless - screw conveyor (Service life of more than 10 years possible)
- The worm screw can be provided with or without a central shaft
- Low maintenance costs
- Suitable for outdoor sites / operation in winter
- Easy retrofitting when adapting to changed operating conditions
- Machine completely hygienically encapsulated
- The FSM conveyor has proved itself in applications at home and abroad.



Applications in municipal and industrial clarification plant

- conveying grit
- conveying screenings
- conveying coarse matter
- conveying sludge

Applications in the paper and cellulose industry

- conveying pulp



Applications in the industry

- meat, fish and poultry processing / slaughterhouses – conveying of waste
- Increase – Waste
- fruit and vegetable processing
- breweries – waste like malt, mash, waste of bottle washer
- animal processing
- disposal of wet debris and kitchen waste
- disposal of foodstuffs and food waste
- glass and ceramic industry
- petrochemical industry
- textile industry – fibrous and residual material
- vineyards – residual material
- tanneries
- combustion plants – ash, granular material, hazardous waste



Dimensions:

Type	SF – screw conveyor	SpF – spiral conveyor
Diameter of screw	200 mm / 300 mm / 400 mm / 500 mm, other sizes on request	
Length	up to 30 m	
Capacity	on request	

Materials/makes:

machine frame	stainless steel SS304 or SS316, other materials on request	
covers/inlet hopper	stainless steel SS304 or SS316, other materials on request	
wear liner	HDPE, stainless steel SS304 or SS316, other materials on request	
screw / spiral	wear resisting steel or stainless steel	
drives	geared motors, make SEW	