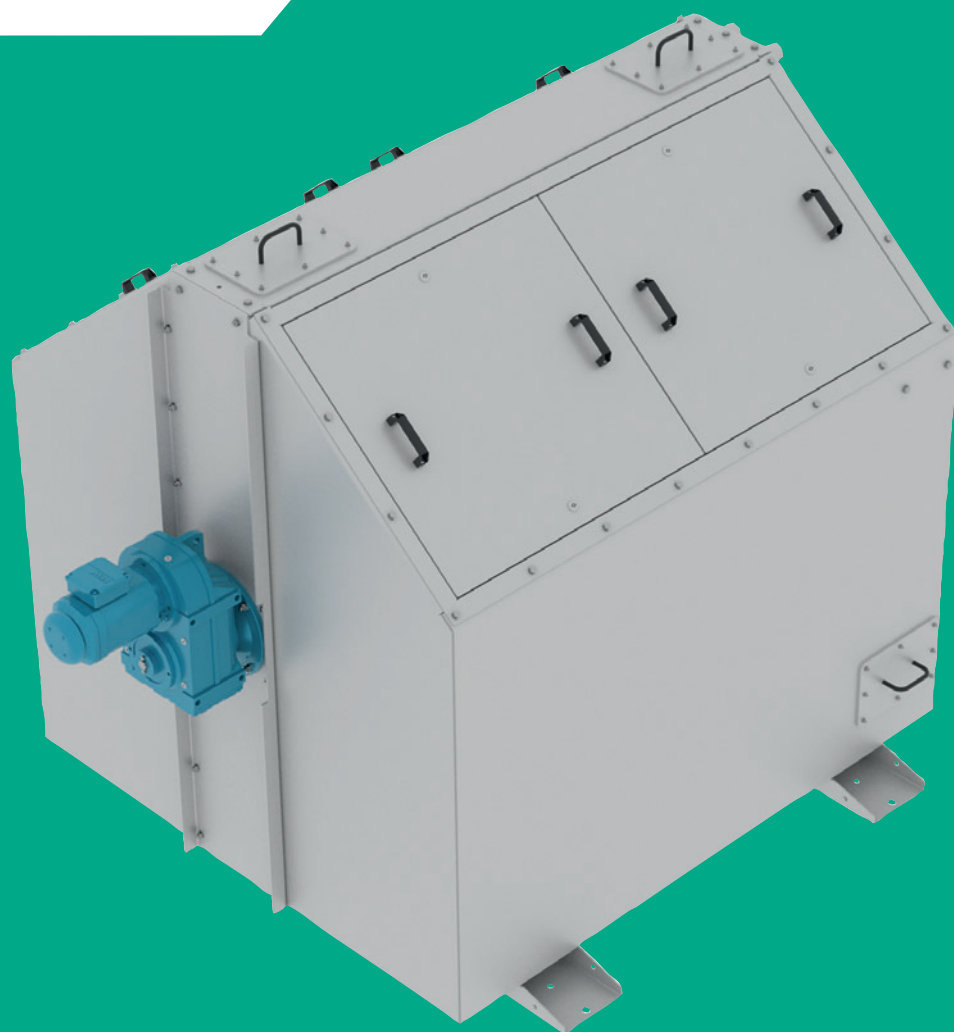


## Fine rotary drum screen



Specialized in environment  
Technology **since 1970**

### Functionality of the Fine rotary drum screen:

How the Fine rotary drum screen works:  
 The wastewater flows via a pressure pipe into a perforated sieve drum, whereby pollutants are held back. The rotatably mounted and motor-driven screen drum transports the retained pollutants from the wastewater.

Carrier elements enable the discharge of coarse material and long fibrous screenings.

The screen side to be cleaned always remains on the upstream side, which means that no screenings can unintentionally reach the downstream side (carryover effect).

Above the water level, the screen drum is cleaned from the outside inwards using a spray bar and a brush strip. The use of an optional High-pressure cleaning device for the sieve drum, enables the treatment of wastewater with a high fat content.

The pollutants fall inside the screen drum into a conveyor that transports the screenings out of the drum.

The conveyor can be equipped with a washing and drainage system.

The FSM Fine rotary drum screenings is a highly efficient pre-treatment stage for small and medium-sized wastewater treatment plants.

#### Advantages:

- No upstream coarse screen required
- The fine screen allows sand to pass without problems
- No plait-forming or poorly degradable Substances in the subsequent treatment stages
- No "carry-over" effect of screenings
- Low maintenance effort
- Outdoor installation / winter operation possible
- Easy conversion to adaptation to changed operating conditions
- Complete hygienic encapsulation of the machine



Drum inside view

## The specialists for environmental technology

### Machines for water and wastewater treatment

#### Applications in municipal and industrial clarification plant

- Wastewater pretreatment / Fine screening
- Pre-screening with membrane systems
- Sludge screening / secondary sludge
- Sludge screening / primary sludge
- Seawater discharge
- Fecal sludge reception and treatment



Drum Exterior view

#### Applications in the paper and cellulose industry

- Wash water debarking systems
- Coarse material drains, sewer water

#### Applications in power stations

- Cooling and process water screening (river extraction etc.)
- Seawater screening

#### Industrial applications

- Cooling and process water screening (river extraction etc.)
- Seawater screening
- Textile industry and textile finishing companies - Total wastewater pre-treatment
- Meat, fish and poultry processing / Slaughterhouses - Total wastewater pre-treatment
- Sugar industry - Total wastewater pre-treatment
- Composting plants waste/disposal technology - Leachate treatment
- Vegetable, fruit and tropical fruit processing - Total wastewater pre-treatment
- Breweries - Total wastewater pre-treatment
- Rendering plants - total wastewater pre-treatment
- Algae removal



Fine Rotary Drum Screen

#### Dimensions:

Diameter	1.430 mm, other diameters on request
Perforation	1 – 6 mm, other perforations on request
Installation angle	Horizontal

#### Materials/makes:

Machine frame	Stainless steel SS304 or SS316L, other materials on request
Drum	Stainless steel SS304 or SS316L, other materials on request
Drives	Gear motors make SEW

#### Machines for water and waste water treatment

Excellent innovative capacity combined with many years of experience and a highly motivated team providing advice, assembly and service are your guarantee of outstanding products “Made in Germany”, expert contract management through to commissioning and, of course, thereafter.

Get to know us, perhaps in the near future at a Trade Fair in your locality.



**FSM Frankenger GmbH**  
Vor dem Hohen Stein 1 | 35415 Pohlheim  
Tel.: 06404/91 94-0 | [info@fsm-umwelt.de](mailto:info@fsm-umwelt.de)  
[www.fsm-umwelt.de](http://www.fsm-umwelt.de)