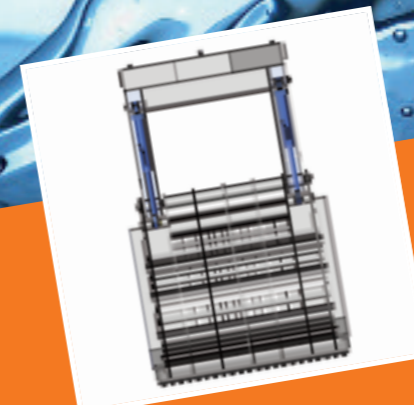
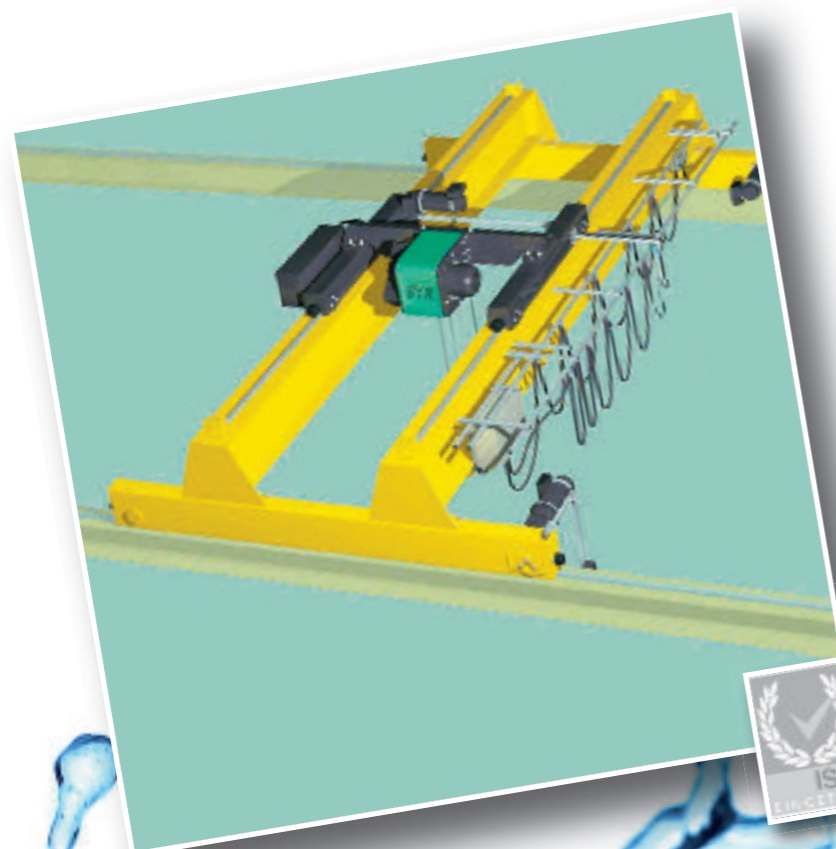




**FSM Frankenberger
GmbH & Co. KG**

Equipment for Water
and Waste Water
Inlet Works



Trash Rack
Screen



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FSM Trash Rack Screen



The FSM Trash Rack Screen has been developed in reference to the increasing demands of users. These resulted in an optimum product for coarse cleaning of waste water - providing high performance coupled with low operating costs. The FSM Trash Rack Screen thus offers ideal protection for pumping and fine screening installations.

Functional principle:

The waste water flows through a bar screen made of steel or stainless steel, while screenings are held back. Solid matter is picked up by our special grab directly at the bottom of the channel without the need for a base step. The teeth of the grab act between the bars of the screen thus preventing jamming of the screenings. The grab moved up and down by a rope. Opening and closing of the grab is achieved by a hydraulic cylinder.

Discharge of the screening is into a container, wash compactor, screw conveyor, conveyor belt etc.

The position of the grab is controlled by a rotary selector switch. Thereby different positions on the screen field can be reached by the grab. For digger operation the rope is controlled by a slack rope weight.

Features:

- High reliability through robust construction
- The FSM Trash Rack screen allows the passage of grit without malfunctioning
- Screenings are fixed between front and back rake, no falling back in the channel
- Excellent cost/performance ratio
- Low maintenance costs
- Suitable for outdoor sites / operation in winter
- Easily adapted to suit changed operating conditions
- The FSM Trash Rack Screen unit has proved itself in practice at home and abroad



Applications in municipal and industrial clarification plant

- waste water pre-treatment / coarse screening
- sea water treatment
- rainwater tank overflow and storage channel screening
- supply pumping stations
- protective installations for downstream equipment
- cleaning of streaming water



Applications in power stations

- cooling and service water screening (river intake etc.)
- sea water screening

Industrial applications

- cooling and waste water screening (river intake etc.)
- sea water screening
- textile and textile finishing industry - preliminary clarification of total waste water
- meat, fish and poultry processing / slaughterhouses preliminary clarification of total waste water
- sugar industry - preliminary clarification of total waste water
- composting installations, waste product and disposal engineering, seepage water treatment
- fruit and vegetable processing - preliminary clarification of total waste water
- animal meal production - preliminary clarification of total waste water

Dimensions:

screen width	800 bis 20000 mm, larger widths on request
channel depth	up to 70 m, larger depths on request
gap width	20 mm to 200 mm, larger widths on request
mounting angle	75° or 90°, other angles on request

Material/make:

machine frame	galvanised steel, stainless steel SS304 or SS316, other materials on request
bar screen	coated steel, stainless steel SS304 or SS316, other materials on request
guides	galvanised steel, stainless steel SS304 or SS316, other materials on request
grab shovel/grab teeth	coated steel, stainless steel SS304 or SS316, other materials on request
use with sea/brackish water	sea water resistant material for machine frame, screen, grab shovel and guides on request