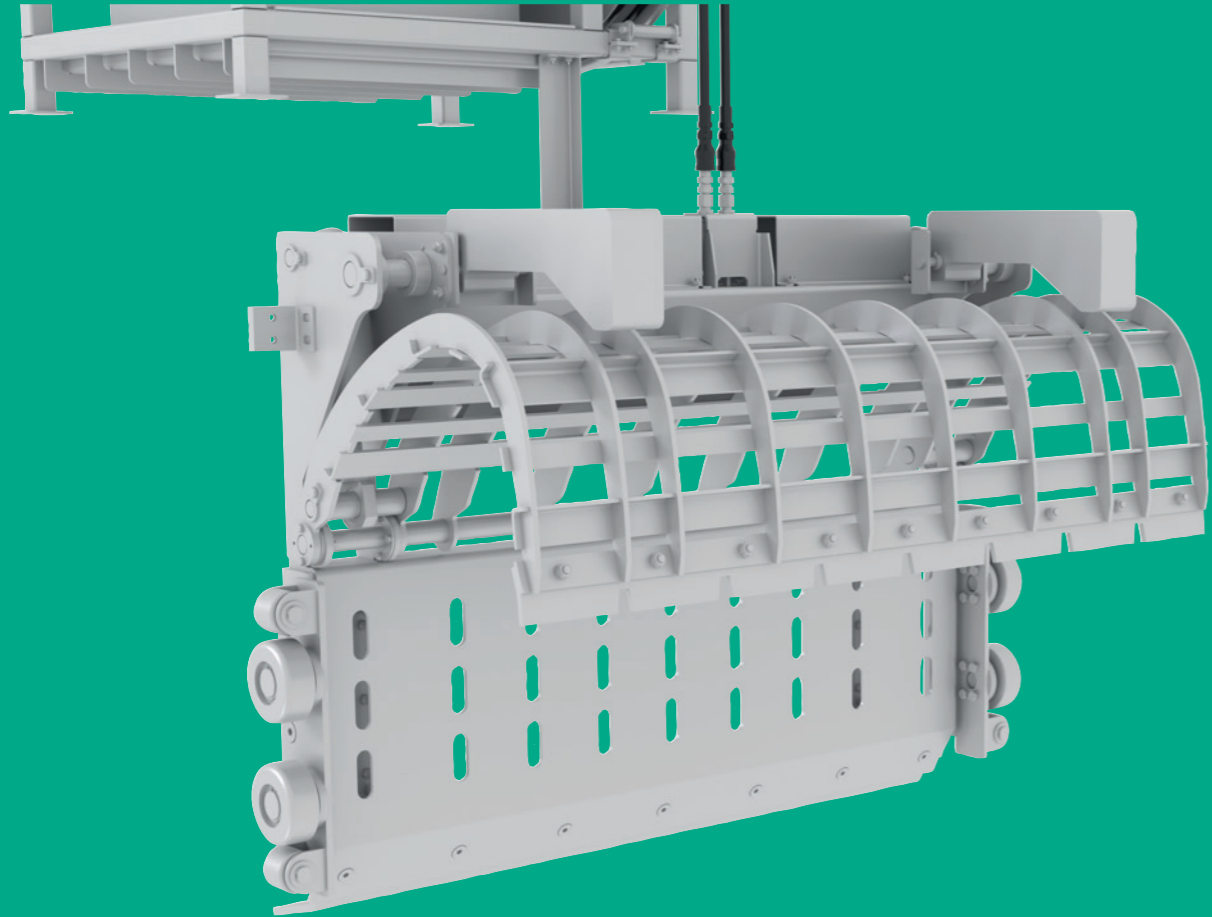


Trash Rack Screen

Request for  
Quote



Specialized in environment  
Technology since **1970**

**Functionality of the Trash Rack Screen:**

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.

**Advantages:**

- 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

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.

**Applications in municipal and industrial clarification plant**

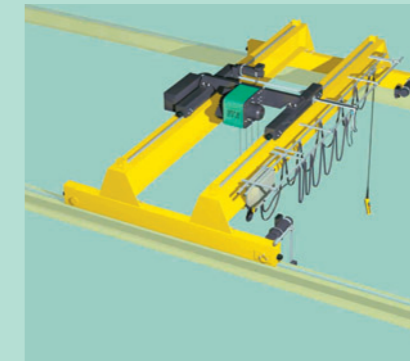
- waste water pre-treatment / coarse screening
- sea water treatment
- rainwater tank overflow and storage channel screening
- supply pumping stations
- protective installations for downstream equipment cleaning of streaming water

**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



Trash Rack Screen in use



Trash Rack Screen

**Dimensions:**

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

**Material/make:**

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

#### 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.

