

Geiger® Claw Screen

Claw Screens/Grippers are sometimes installed as a first cleaning step in water intakes and pumping stations. Geiger® Claw Screens are suitable for removing very large obstacles from a bar screen.



The Geiger® Claw Screen with travelling unit and claw bucket operates on a monorail track between the bar racks and the dumpster position. Mild steel supporting structures, including curved track sections can be tailored to fit into the claw bucket's immediate surroundings.

Lifting and lowering of the claw bucket is rope-controlled, whilst opening and closing is hydraulically operated.

The travelling unit design contains all motors including the hoist motor and hydraulic power pack. Removed screenings are directly transported to the debris discharge area, eliminating the need for interim transport.

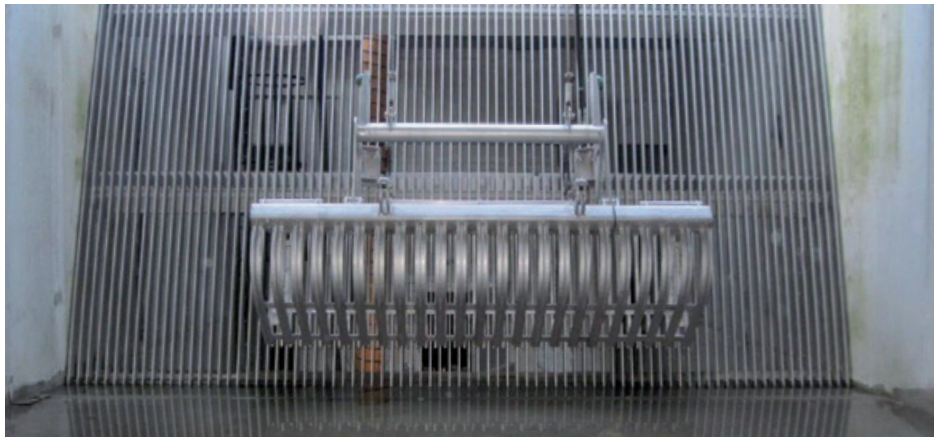
The Claw Screen can be operated manually, by timer or automatically using a differential water level controller.

Advantages

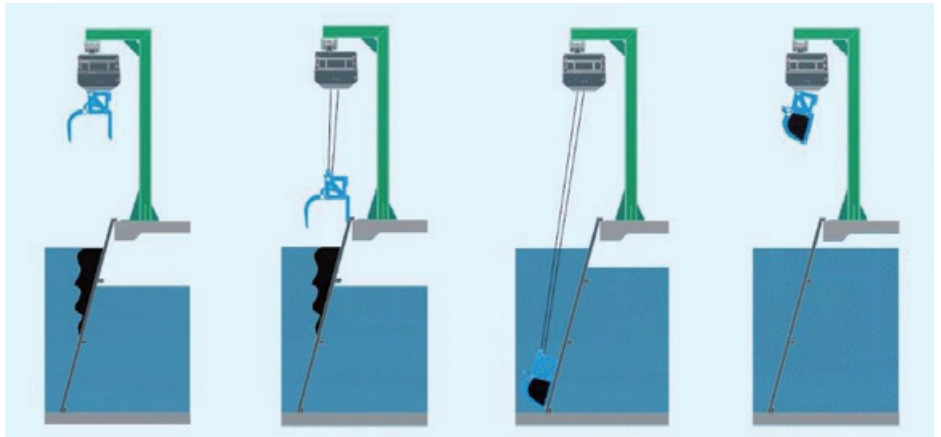
- Reliable and economic bar rack cleaning with a high capacity gripper
- The rake teeth deeply engage into the fixed bar rack
- Several design variants (different types of supports, running paths and curves) allow the Claw Screen to be used for multiple intake channels and discharge places
- The open design keeps the area around the coarse screen easily accessible for staff and vehicles
- Removes even large debris, e.g. tree trunks
- Low expenditure and low risk due to direct disposal into a container
- Redundancy and increased capacity by means of two working Claw Screens on one rail track
- Operation using a remote control or a push button pendant
- Slip control of driving wheel
- Slack rope control and cleaning automatic

High Capacity Gripper

Claw Bucket/
Gripper in Screen
Engagement



Claw Screen Operation Cycle



Sizes

- Claw bucket width: up to 3 m
- Channel depth: up to 17 m
- Pay load lifting power: up to 1500 kg
- Bar spacing: 20 - 100 mm

Material

- Mild steel with high quality surface coating
- Stainless steel

Additional Options

- Delivery of bar racks with different hydraulic profiles
- Installation and maintenance contracts

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The technical data stated in this brochure are indicative only and have to be determined for each individual case.
Subject to technical changes.