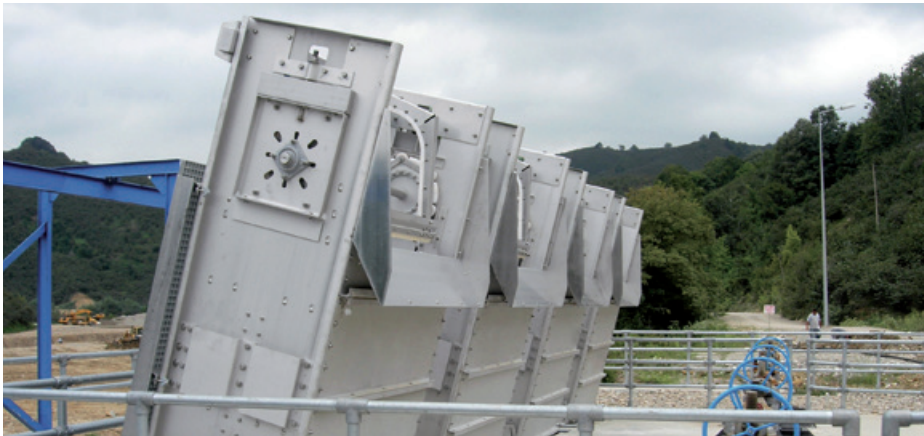


A brand of  
Aqseptence Group

## Geiger® Revolving Chain Screen

Our High-Capacity Revolving Chain Screens (multirakes) are both suitable for coarse and fine screening and reliably remove large quantities of screenings.



Due to their various cleaning elements, they can be adapted to complete special tasks such as transporting jellyfish, sea grass and fish. Simple and robust construction combined with modern design and manufacturing technologies ensure highest reliability and a long service life despite low maintenance requirements. The Geiger® machines made in Germany are available for both replacements, new plants and upgrades of plants, including maintenance contracts.

### Advantages

- Very short cleaning cycle thanks to several rotating screen cleaning elements (multiple rake arms)
- Robust and solid construction with easily interchangeable parts
- Specially developed for a high volume of middle/small size debris (burst mode)
- High cleaning performance thanks to minimized gap between bars and rake teeth
- No sprocket, shaft and bearings under water
- Bar spacing of 2 - 100 mm
- Low maintenance, for example due to easily exchangeable polyamide sprocket teeth

### Function

The main components of a Geiger® Revolving Chain Screen are the two drive chains with multiple cleaning elements, chain wheels on the drive shaft and the lower deflection unit, a guiding on either side, a drive unit with overload protection, plus an apron with

chute and a bar screen. The complete unit can be installed into the civil structure without the need for recesses, hence reducing the installation time, construction costs and allowing the Revolving Chain Screen to be easily retrofitted into existing civil structures.

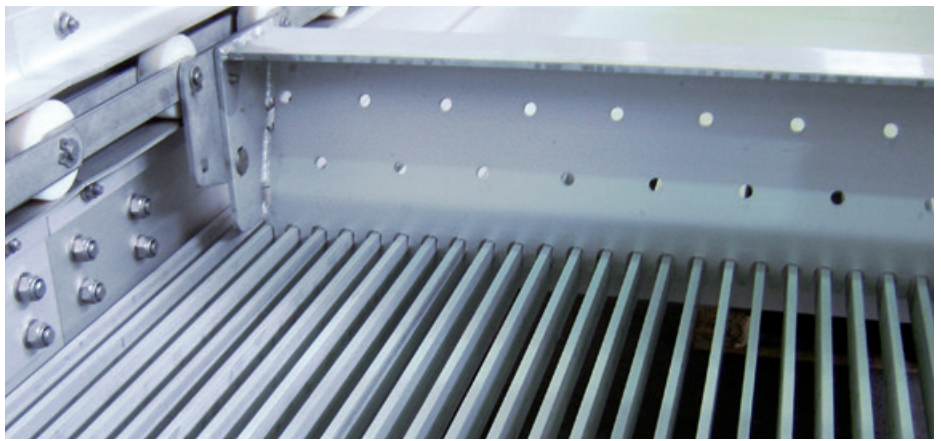
### Continuous Cleaning

The cleaning elements which are fastened to the revolving chains, reliably mesh into the bar rack and transport the screenings to

the discharge chute. An automatically operated stripper pushes the screenings across the chute into the discharge device.

## Bar Spacing 2 - 100 mm

Geiger® Revolving  
Chain Screen Detail



### Material

- Mild steel with high-quality surface coating
- All types of stainless steel
- Geiger® Cathodic Corrosion Protection Systems also available

### Sizes

	Standard Version	Compact Version
Bar Spacing	2 - 100 mm	2 - 100 mm
Channel Width	0.8 - 6.0 m	0.6 - 3.0 m
Channel Depth	1.0 - 20 m	1.0 - 20 m
Discharge Height	0.0 - 2.0 m	0.0 - 2.0 m
Inclination	75° - 90°	75° - 90°

### Tailor-Made

The cleaning elements can be chosen depending on the debris-type and the quantity to be transported: either rakes, brushes,

scrapers or jelly-fish buckets. The number of cleaning elements depends on site requirements and the cleaning cycle necessary.

### Features

The cleaning elements are supported by two rollers on each side to prevent them from tilting when being loaded with screenings. This ensures, thorough, smooth running and an intense cleaning of the bar rack. The elements are thoroughly cleaned and prevented from falling back into the feed channel using an efficient discharge device. If the machine gets blocked by an obstacle, the overload protection device will interrupt the cleaning process and trigger a signal. Its maintenance-free steel side bar chains, the tensioning device

mounted above floor level and the low maintenance design are important economic characteristics. The Geiger® Revolving Chain Screen is also available in a fully cased, odour-tight design. Like all Geiger® screens, the Revolving Chain Screen can be operated manually, by timer or automatically using a differential water level controller. Polyamide rollers and sprocket wheels are typical for the Geiger® customized design and stand for low maintenance costs, long life and smooth running of the machinery.

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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.