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[HUBER Multi-Rake Bar Screen RakeMax® HF \(high flow\)](#)

## HUBER Multi-Rake Bar Screen RakeMax® HF (high flow)



### Reliable, sturdy travelling screen

- Very high screenings discharge capacity
- Low headloss
- Low installation height above ground level even in deep channels
- Control-independent safety system

The RakeMax® HF is a L-shaped multi-rake bar screen and like the RakeMax® screen belongs to the MAX family of HUBER screens. This screen has a flat and therefore hydraulically advantageous bottom section that transitions into a steep conveying section. This combines the benefits of the well proven RakeMax®, reliable solids separation and high screenings discharge capacity, with a low headloss due to a big effective screen rake surface.

Material removal from the screen starts right at the bar rack mounted flat to the channel bottom so that any accumulation of disturbing material is eliminated. The cleaning elements, attached to the chain system, can easily be adjusted to different requirements. This is especially favourable for high solids loads. Depending on the bar spacing, the bar rack design is either a flow-optimising bar or non-blocking wedge wire profile. Both ends of the cleaning elements are connected to drive chains. Each chain is driven by a sprocket on a common shaft and a flange mounted gear motor.

At the end of the bar rack cleaning cycle the cleaning elements are positively cleaned by a pivoted comb which reliably discharges the removed screenings into a downstream transport or disposal unit. The easy to access and maintain drive unit is installed above the

channel. Due to the screen's compact design its height above floor is very low.

## Benefits

### BENEFITS OF THE HIGH-FLOW HUBER MULTI-RAKE BAR SCREEN RAKEMAX® HF:

- High hydraulic capacity due to the extremely flat installation angle of the bar rack
- High operating reliability due to defined meshing of the cleaning elements with the bar rack
- No accumulation of disturbing material due to material removal from the screen starting virtually right at the bar rack mounted flat to the channel bottom
- Compact design
- Easy-to-retrofit into existing channels
- Completely odour-encased screen with easy to remove covers
- Installation without channel recesses possible
- Not hindered by gravel or gritt
- Simple and easy-to-access drive unit
- All parts in contact with medium (except the drive and bearings) are made of immersion pickled stainless steel.
- High screenings discharge capacity
- Uncomplicated later change of the bar spacing
- No additional consumables such as service water required for plant operation, except electric current

## Downloads

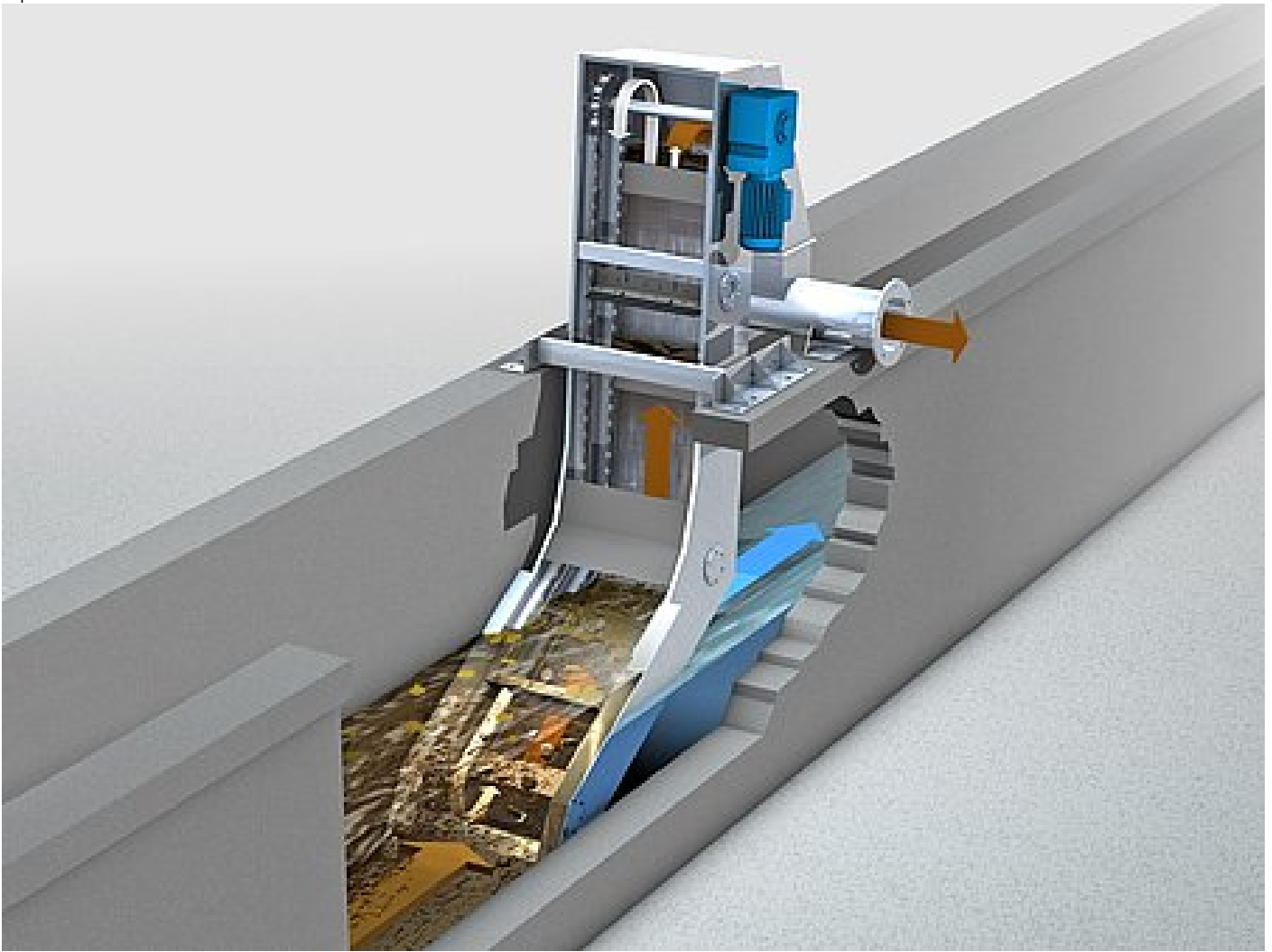
 [Brochure: HUBER RakeMax®-hf \(high flow\) Multi-Rake Bar Screen](#) [pdf, 317 KB]

 [Brochure: HUBER Detection System Safety Vision for impurity detection](#) [pdf, 300 KB]

## Case Studies

- [The HUBER Multi-Rake Bar Screen RakeMax® – a success story with more than 3000 installed machines](#)
- [HUBER Safety Vision increases the availability of machines](#)
- [RakeMax®-hf combines the advantages of the wellproven RakeMax® and a bar rack with a very small inclination!](#)

## Design Sketch



### More products of this group: Perforated Plate and Bar Screens

- HUBER Belt Screen EscaMax®
- HUBER Multi-Rake Bar Screen RakeMax®
- HUBER Multi-Rake Bar Screen RakeMax® CF
- HUBER Band Screen CenterMax®
- HUBER Coarse Screen TrashMax®
- HUBER Grab Screen TrashLift

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