

MULTI RAKE SCREEN KHU

Robust Design for Heavy-Duty Application

KUHN KHU Multi Rake Screen

Mechanical preliminary purification of sewage plants always makes enormous demands on people, technology and quality. Special application cases necessitate reliable solutions under practical conditions for the deepest flume / highest discharge heights, particularly where large throughput volumes or extremely wide flumes are involved. Conventional systems soon reach their efficiency or technical limits when confronted by these requirement profiles.

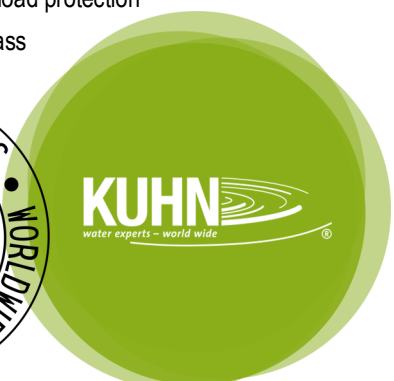
The **KUHN** KHU multi rake screen was developed by practitioners for practitioners and covers these requirements in an ideal manner.

The stable and robust design principle makes the **KUHN** KHU multi rake screen ideally suitable for the most difficult applications. These include plants characterised by high volumes of disturbance material (stones, sand, etc.). Manifold oversizing of stress-related elements ensures that components and the entire system enjoy a long service life.

Technical Features

The superior design of our **KUHN** KHU multi rake screen ensures optimum ecological and economical operation and secures your investment in the long-term. The KHU includes the following advantages:

- Variable variety of applications as stable fine and fine rakes, suitable for particularly high requirements
- For maximum separation performance
- Not affected by stones or gravel
- Guides forced intervention of the cleaning clearing beams is far superior to the cheap scraper systems
- Additional clearing beams can be retrofitted for flushing and rainy weather impacts
- Increased screenings discharge during hydraulic flushing after a long dry period
- Drive chain in hardened high-grade steel (no steel or plastic tracks)
- Easily interchangeable segmented rake comb boards in hardened materials
- Solid system frames with well thought out maintenance openings
- Fully automated cleaning operation (no brushes, no spray wash systems)
- Temporary backward running for self-cleaning of the screen grate possible
- Easy maintenance with few wearing parts
- Available in separable construction for difficult conditions
- Electro-magnetic overload protection
- Optional inspection glass



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Scraper, fully-automatic

- No brushes
- No spray nozzles, no water consumption

Drive with overload protection

Optimum design for every application case

Hygienic covers

- Removable
- Guarantee complete odor and hygienic encapsulation

Heavy-duty driving chains

- Full stainless steel material
- No plastic material

Rod profiles

- Optimised flow characteristics for maximum throughput capacity
- Freely-selectable gap width for every application

Eco bearing mount

- Continuous lubrication reliable and maintenance-free
- Chain Wheels full stainless steel

Large-volume discharge hopper

Simple and safe transfer of screenings

Service hatch

System frame, stainless steel

- Optimum adaption to every screen flume

Optional:

Space window in Quartz glass with wipers

Rake

- Segmented rake comb boards in hardened materials, removeable
- High penetration depth enables clogfree and optimum purification results

