

SCREW PUMPS

**SCREENS**

SCREENINGS HANDLING

COMBINATED SYSTEMS

GRIT HANDLING

CONVEYOR

ELECTRICAL- and AUTOMATION TECHNOLOGY

MEASUREMENT and CONTROL TECHNOLOGY

SERVICE SUPPORT

# 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:

- Designed for the largest conveying levels and flume widths
- Maximum separation capacity
- Retrofitting of additional rakes for flushing and rain weather flows possible
- Optional: two different purification speeds
- Enormous purification speed of screen surfaces
- Segmented rakes can be easily replaced
- Stable screen frame made of folded profiles with optimised strength characteristics
- Fully-automatic scraper
  - no brushes
  - no washing water consumption
- Guided penetration of rakes
- Overload protection protects the machine against damages
- Simple retrofitting in existing plants
- Simple maintenance
- No attachments necessary at the channel floor



# MULTI RAKE SCREEN KHU

Robust Design for Heavy-Duty Application

**Scraper, fully-automatic**

**Drive with overload protection**

Optimum design for every application case

**Hygienic covers, removable**

Guarantee complete odour and hygienic encapsulation

**Heavy-duty driving chains, stainless steel**

**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

**Large-volume discharge hopper**

Simple and safe transfer of screenings

**Service hatch**

**System frame, stainless steel**

Optimum adaption to every screen flume

**Space for the optimal Window**

**Rake**

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

