

MULTI RAKE SCREEN

KHU SL

Improved Technology for Small Flumes

KUHN KHU SL Multi Rake Screen

This is a reliable and trendsetting solution for multi-rake screens in small to medium-sized flumes. In this newly developed system proven technologies have been transformed and adapted for applications having relatively influent sources.

Due to cost constraints, in many small-format applications combined screens are often used only with functionally limited screenings treatment such as spiral screen or strainer / basket screen. Results achieved with these rakes often fall short of what is technically possible. It is generally acknowledged that combining improved screen technology (e.g., the KHU SL) with other screenings treatment (e.g., the KWP-P) delivers the best results for separation, cleaning and compacting screenings.

The **KUHN KHU-SL** differs from common design shapes used with other multi-rake screens due to its consistent, hydraulically optimized 45° angle.

The machine frame features an open design which facilitates maximum screen grating width in narrow flumes. This allows a substantially larger raking field across nearly the entire flume.

Technical Features

The newly developed KHU-SL offers these outstanding benefits:

- Small lifting heights and narrow flumes
- The highest possible volume of water throughput compared to the flume
- Handles small stones and large debris
- Hydraulically optimized 45° installation angle
- No side frame losses due to open system frame in downstream area
- Minimal clogging thanks to a defined positive meshing of the rake comb plates in the rake grating
- Clearing bars with a staggered alternating tooth system
- Proven separation field to prevent clogging of rake grating
- Top cleaning speed due to additional clearing bars, with greater speed possible through retrofitting
- Tempered stainless steel drive chains (optional steel chains)
- Segmented rake comb plates in various materials, easily replaceable
- Stable system frame with side service inspection hatches
- Fully automated scraper:
 - No brushes
 - No wash water consumption
- Briefly reverses for self-cleaning of rake grating



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Scraper, fully-automatic

Optimum cleaning of the cleaning bars and transfer to the discharge hopper

Space for optional Winow

Hygienic covers, removable

Guarantee complete odor and hygienic encapsulation

System frame, stainless steel

- Optimized for high strength
- Installation angle 45°

Eco bearing mount

Lifetime-lubricated, reliable and maintenance-free

Drive with overload protection

Optimum design for every application case

Large-volume discharge hopper

Simple and safe transfer of screenings

Service opening

Rake

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

Rod profiles

- For maximum throughput capacity
- Freely-selectable gap width for every application

