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HUBER Solutions for Mechanical Pre-Treatment

Removal of interfering substances from raw wastewater and sludge

Good mechanical pre-treatment is important for protection of subsequent processes from clogging, trussing and abrasion. It is precondition for reliable operation, with little wear and maintenance of the entire plant.

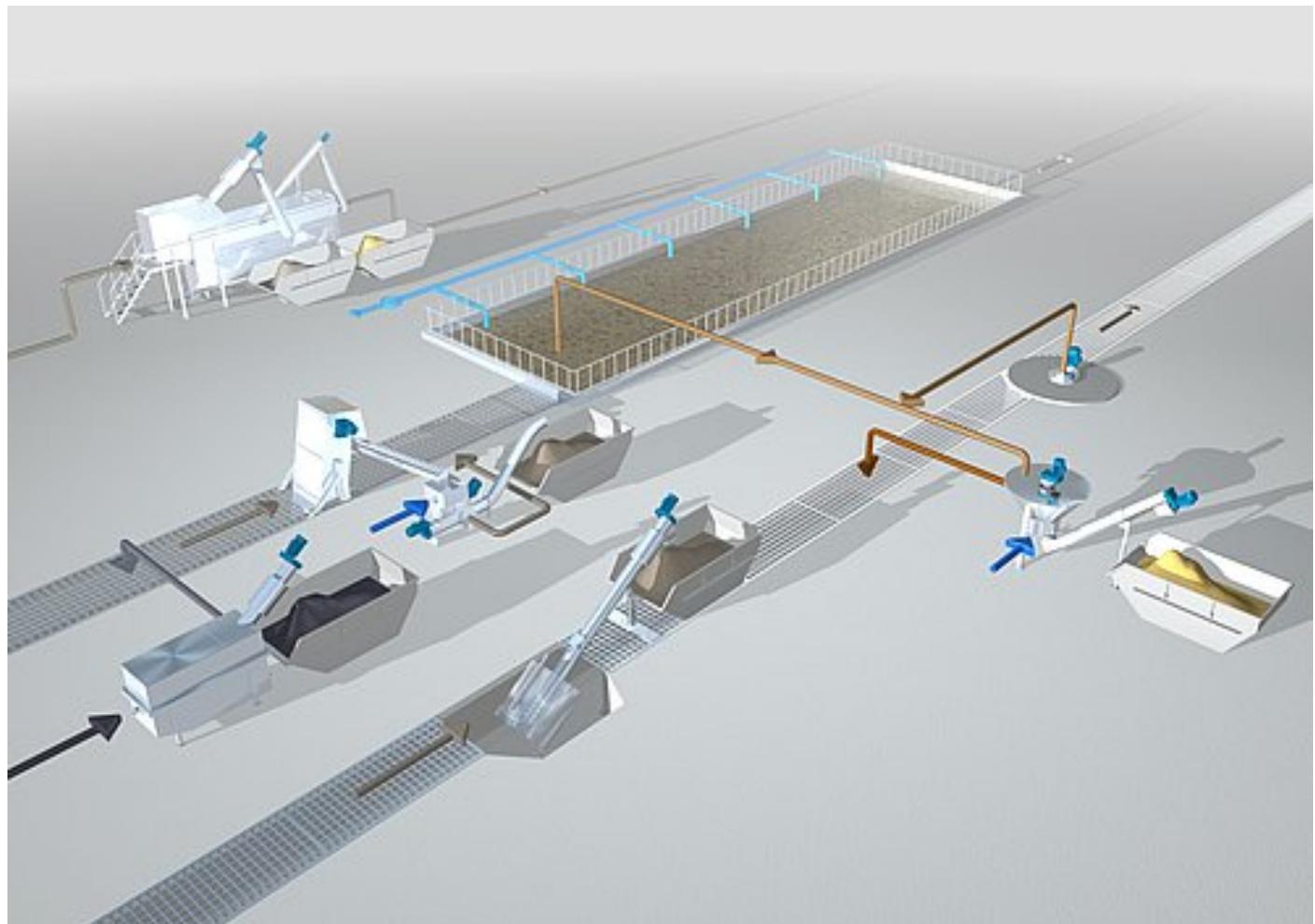
Mechanical pre-treatment includes screens for removal of debris and other disturbing solids, screenings treatment and grit traps for removal of mineral solids (stones, grit and sand) as well as grease traps for removal of fat, oil and grease.

By pertinacious pioneering work HUBER has gained global market leadership in every field of mechanical pre-treatment:

- We have introduced fine and ultra-fine screens in the market. Thousands of our [ROTAMAT®](#) units are in worldwide operation. In addition, we have supplied over a thousand [STEP SCREEN®s](#) and hundreds of [Perforated and Bar Screens](#).
- We are also the leader in [Screenings Treatment](#), e.g. with our superior Super-Launder [Wash-Press WAP/SL](#).
- We have developed and introduced innovative HUBER solutions for [Grit Treatment](#). The performance of our [Grit Washers](#) remains unparalleled.
- We were the first to integrate the entire pre-treatment in single and compact units, in our [ROTAMAT® Complete Plants](#).
- In addition we are the unparalleled market leader in [Faecal Sludge Treatment](#).

Due to our long-term and global experience & expertise, we offer the optimal solution for any mechanical pre-treatment problem. And we implement our solutions by supplying most reliable, durable and efficient HUBER products.

System Concept



Click on the image to get a detailed, interactive view with additional information and links.

Downloads

- [Overview brochure: Mechanical Wastewater Screening \[pdf, 3.50 MB\]](#)
- [Overview brochure: Screenings Treatment Systems \[pdf, 1.24 MB\]](#)
- [Overview brochure: Grit Treatment Systems \[pdf, 482 KB\]](#)
- [Brochure: HUBER CarbonWin® System for carbon removal from raw sewage \[pdf, 433 KB\]](#)

Références

- Le dégrilleur rotatif à râteaux RakeMax® de HUBER – une histoire à succès avec plus de 3000 machines installées
- Une innovation unique du leader du marché : HUBER Safety Vision, détection des matières grossières
- Dégrilleur à raclage continu RakeMax® CF de HUBER: Un dégrilleur innovant qui convainc dans la pratique
- A Wastewater Screening and Screenings Processing Case Study at WWTP Hull (Saltend)
- Tamis fins à tambour LIQUID de HUBER - Un procédé complet et innovant s'impose en Norvège
- Très convoitées, les unités mobiles avec tamis à tambour Drum Screen LIQUID HUBER
- HUBER combine le fameux RakeMax® avec le dégrilleur Center Flow
- Ou comment passer le sable au crible: Le dessableur GritWolf® passe le premier test d'endurance avec brio au Texas
- HUBER's Perforated Plate Fine Screen Brings STAR Power to Star Water and Sewer District
- HUBER propose un procédé innovant en remplacement d'une décantation primaire
- Lorsque les grands Ro5 trouvent leur place
- Système de dégrillage de la station d'épuration régionale de Linz-Asten
- Protection fiable des installations de membrane avec le tamisage ROTAMAT® STAR liquid de HUBER
- Un exemple de réussite : Évacuation du carbone avec la technologie de tamisage ultrafin HUBER
- Une grande fiabilité de Fonctionnement et une durée de vie incomparable : Le dégrilleur droit à raclage continu HUBER RakeMax® est incontournable sur la station d'épuration de Guelph, au Canada
- Nouveautés – HUBER Tambour rotatif LIQUID
- Pulborough STW Inlet Screen Upgrade - A Wastewater Case Study
- Gros contrat : Les entreprises chargées de l'élimination des déchets de Vienne ont opté pour les grilles de retenue à râteaux circulaires de l'entreprise HUBER SE
- Nouveau système de séparation et d'extraction des graisses pour nos dessableurs « Hydro Duct »
- Meadowhead STW Wastewater Case Study
- RakeMax®-hf combines the advantages of the wellproven RakeMax® and a bar rack with a very small inclination!
- HUBER supplies the equipment for a major sewage treatment works in Berlin
- Huber Technology upgrades the Inlet works at Duncrue Street, Belfast - a Wastewater case Study
- A successful combination: Launder Channel plus Wash Press SL
- First complete treatment plant for sewer grit installed in China
- Multifunctional Complete Plant installed on STP Ortenburg
- Further development of the well-proven ROTAMAT® screen concept: new Pro line
- First TrashMax® screen installation abroad exceeds expectations
- Three HUBER RakeMax® screens for STW Magdeburg / Gerwisch
- Further developed ROTAMAT® Rotary Drum Fine Screen with increased hydraulic capacity: ROTAMAT® Perforated Plate Screen RPPS-Star
- HUBER supplies the machines for the mechanical treatment stage of the worlds' largest wastewater treatment plant project
- Mechanical wastewater pre-treatment for membrane bioreactors
- RPPS screens protect biggest membrane STP in North America
- 4 HUBER VORMAX Vortex Grit Chamber screens in Saudi Arabia
- Grit washing in grit trap: Complete Plant plus grit washing plant
- 28 RoDisc® Rotary Mesh Screens to treat Asia Olympics wastewater
- Twelve 2.6 diameter Ro 1 screens in China's boom town

- HUBER super-launder wash-press excels at Penrith WWTP
- 1000 COANDA Grit Washing Plant installations
- Washing of screenings and simultaneous dewatering with high pressure
- Excellent 84% separation results due to the consequent further development of the EscaMax® Belt Screen

Photos



Video: Complete wastewater treatment at the Øygarden WWTP in Norway

<https://www.youtube.com/watch?v=KU2awn3DP68>



Video: Mechanical preliminary wastewater treatment - example: municipal WWTP Weiden

https://www.youtube.com/watch?v=vyieOQR_9o



Video: Mechanical preliminary wastewater treatment - example: municipal WWTP Zwickau

<https://www.youtube.com/watch?v=SH3P8lpCDJM>



Video: Preliminary treatment with HUBER Belt Screen EscaMax® and Wash Press WAP/SL

<https://www.youtube.com/watch?v=g-aczj1GDiY>



Animation: HUBER CarbonWin® Process

<https://www.youtube.com/watch?v=60SHSH7XwTg>

Products

- Dégrillage et tamisage
- Laveurs et compacteurs pour refus de dégrillage
- Unités de dessablage et traitement des sables

S.à r.l. au capital de 75 000 EUR – RCS Colmar B389416231 – APE 4669B – Siret 389 416 231 00030 – N° TVA FR 08 389 416 231

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