

REKO



REKO, YOUR PARTNER IN SCREENING TECHNOLOGY AND SCREW TRANSPORT

Screening technology, standard or custom-made
You are looking for a suitable technology to separate and/or wash solids from waste water or other fluids. REKO is able to supply a series of standard products for this purpose, such as static and vibrating bow screens, drum screens and hydrocyclones. We also design and build custom equipment, always in close consultation with the customer. If necessary, we will first carry out tests on site with equipment made especially available for this.

Screw transport
REKO supplies screw products, such as shaftless screw conveyors, screw separators and dewatering presses, for transporting and dewatering of screenings, sludge, waste and other solids. These products can also be specially designed and built for your process.

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Worldwide, in almost all industries
REKO products are used worldwide in various industries: from the food industry to waste recycling, from the chemical industry to water purification installations. With more than 45 years of experience in the field of screening and transport technology, we have references from the most divergent applications and industries.

Quality and service
We manufacture our products in the Netherlands using the most modern design and production technologies. REKO also has the expertise needed to design and build equipment in accordance with specific European Directives, including the ATEX guideline. REKO's own service department will take care of technical support and maintenance on site.

REKO Industrial Equipment B.V.
We were established in 1964 as a trading company in industrial products. Since 1980 we have been developing our own product series in the field of screening and transport technology. REKO is situated in Stellendam, the Netherlands. We operate in the German market from our offices in Füssen, Germany and are additionally represented in various other countries.



BOW SCREENS - BOW SCREENS - BOW SCREENS - BOW SCREENS - BOW SCREENS



BOW SCREENS - STATIC AND VIBRATING SCREENS

Separation of solids from waste water and process water by means of a bended wedge wire screenplate.

Slot openings

150 µm to 5 mm

Capacity

0 to 1000 m³/h

Configurations

- static screens
- vibrating screens
- screens with integrated automatic cleaning system (2 to 200 bar)
- screens with integrated CIP system (cleaning-in-place)
- gastight screens
- screens for potentially explosive atmospheres (ATEX)
- custom-made screens
- etc.

Fields of application

- vegetable, fruit and potato processing industry
- sugar industry
- meat and poultry processing / abattoirs / rendering industry
- fish and shellfish processing industry
- brewing, malting and beverage industry / distilleries
- starch and gluten processing industry
- food ingredients and hydrocolloids industry
- pharmaceutical industry
- horticulture industry
- zoos
- textile industry / laundries
- paper and pulp industry
- chemical and petrochemical industry
- mining and minerals industry
- exhaust gas cleaning
- tanneries
- waste recycling industry
- bioenergy industry
- sewage water treatment
- drinking water plants
- etc.



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INTERNALLY-FED DRUM SCREENS

Separation of solids from waste water and process water by means of an internally-fed rotating drum screen.

Slot openings / Perforations

- wedge wire drum screens: 150 µm to 5 mm
- perforated drum screens: ø 0.8 mm to ø 10 mm

Capacity

0 to 1500 m³/h

Configurations

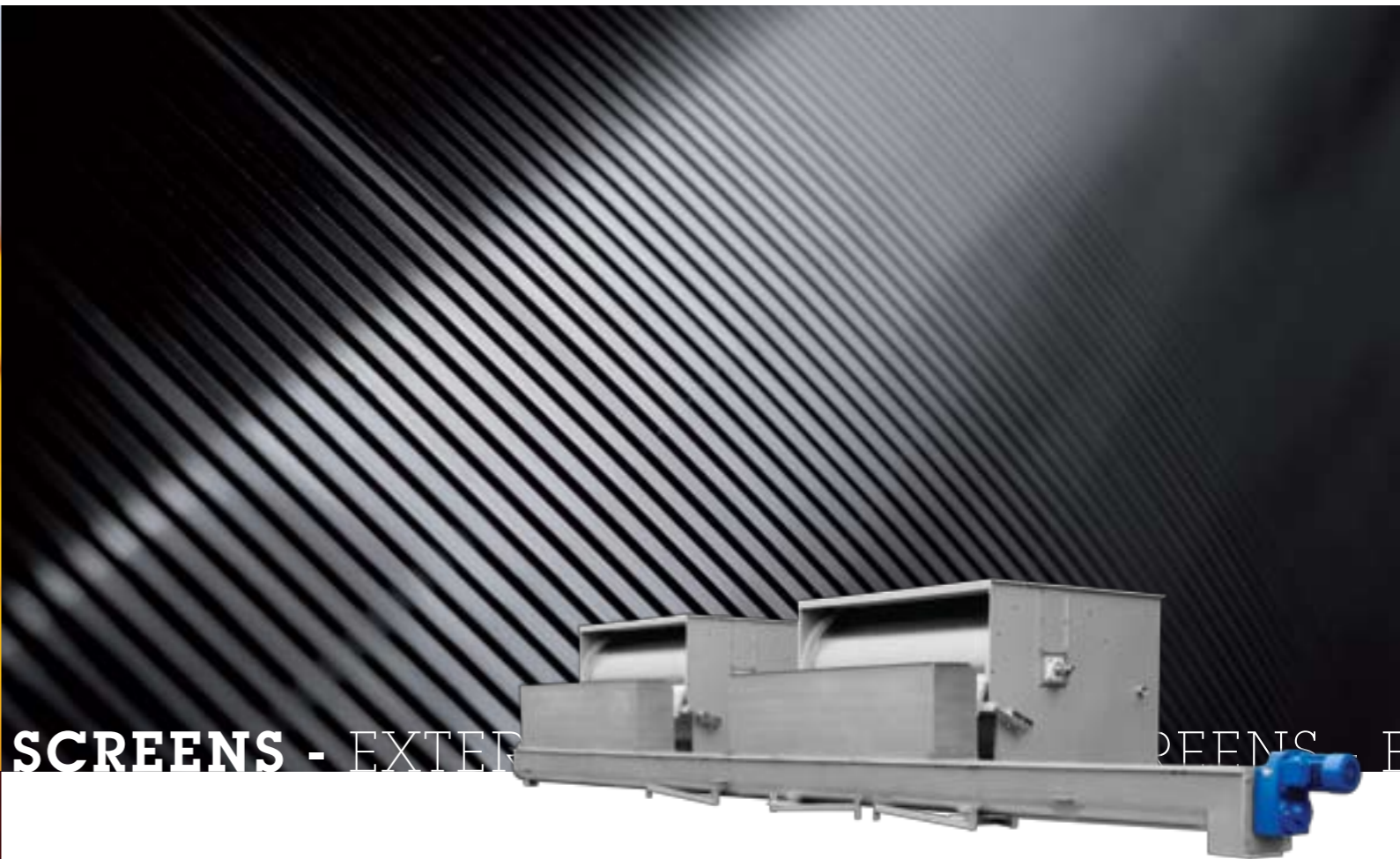
- drum screens with integrated automatic cleaning system (2 to 200 bar)
- drum screens with integrated washing system to wash the separated solids
- drum screens with integrated CIP system (cleaning-in-place)
- drum screens with integrated emergency overflow
- gastight drum screens
- drum screens for potentially explosive atmospheres (ATEX)
- custom-made drum screens
- etc.

Fields of application

- vegetable, fruit and potato processing industry
- sugar industry
- meat and poultry processing / abattoirs / rendering industry
- fish and shellfish processing industry
- brewing, malting and beverage industry / distilleries
- starch and gluten processing industry
- food ingredients and hydrocolloids industry
- pharmaceutical industry
- horticulture industry
- zoos
- textile industry / laundries
- paper and pulp industry
- chemical and petrochemical industry
- mining and minerals industry
- exhaust gas cleaning
- tanneries
- waste recycling industry
- bioenergy industry
- sewage water treatment
- drinking water plants
- etc.



FEED DRUM SCREENS - EXTERNALLY-FED DRUM SCREENS - EXTER



EXTERNALLY-FED DRUM SCREENS

Separation of solids from waste water and process water by means of an externally-fed rotating drum screen.

Slot openings

250 µm to 3 mm

Capacity

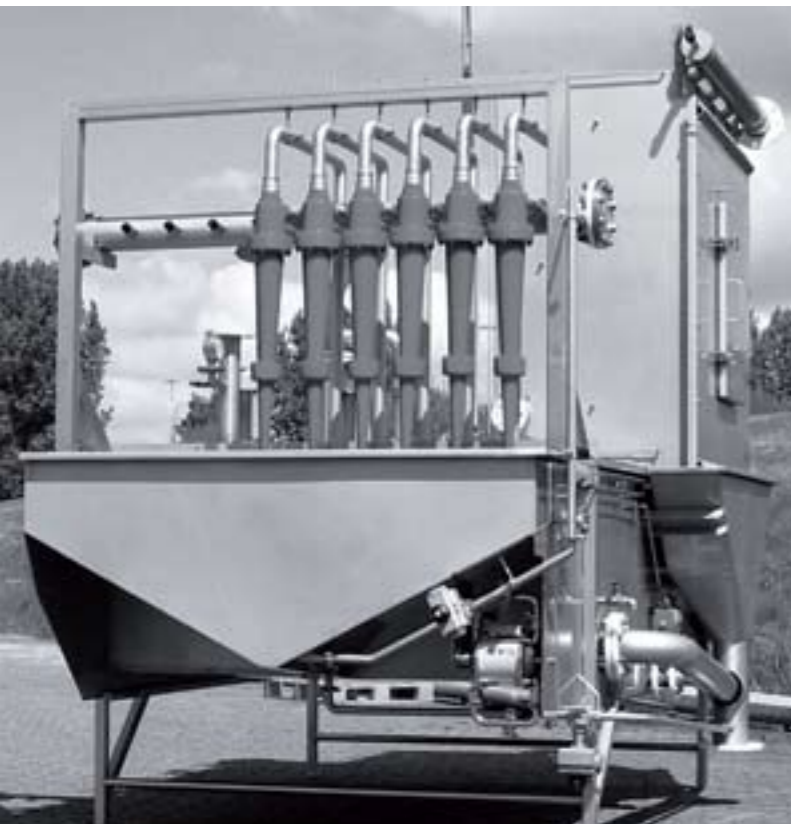
0 to 1000 m³/h

Configurations

- drum screens with integrated automatic cleaning system (2 to 200 bar)
- drum screens with integrated CIP system (cleaning-in-place)
- drum screens with integrated emergency overflow
- gastight drum screens
- drum screens for potentially explosive atmospheres (ATEX)
- custom-made drum screens
- etc.

Fields of application

- vegetable, fruit and potato processing industry
- sugar industry
- meat and poultry processing / abattoirs / rendering industry
- fish and shellfish processing industry
- brewing, malting and beverage industry / distilleries
- horticulture industry
- zoos
- textile industry / laundries
- paper and pulp industry
- exhaust gas cleaning
- tanneries
- waste recycling industry
- bioenergy industry
- sewage water treatment
- drinking water plants
- etc.



HYDROCYCLONE SYSTEMS - HYDROCYCLONE SYSTEMS - HYDROCYCLONE SYSTEMS - HYDROCYCLONE SYSTEMS - HYDROCYCLONE SYSTEMS



HYDROCYCLONE SYSTEMS

Separation of starch, sand and other settling solids from waste water and process water by means of centrifugal forces.

Efficiency

The efficiency of the hydrocyclones is depending on the solids density, liquid density, feed pressure, etc.

Capacity

0 to 180 m³/h

Configurations

- systems with integrated bow screen or drum screen for pre-filtration (separation of coarse particles)
- custom-made hydrocyclone systems
- etc.

Fields of application

REKO hydrocyclone systems are mainly used for the separation of sand and starch in the following processes and industries:

- vegetable and fruit processing industry
- potato (starch) processing industry
- sugar industry
- shellfish processing industry
- horticulture industry
- textile industry / laundries
- paper and pulp industry
- waste recycling industry
- etc.



CONVEYORS - **SCREW CONVEYORS** - SCREW CONVEYORS - SCREW CONVEYORS - SCREW CONVEYORS



SCREW CONVEYORS

Transportation of screenings, sludges, waste and other solids by means of a shaftless spiral.

Capacity

0 to 100 m³/h

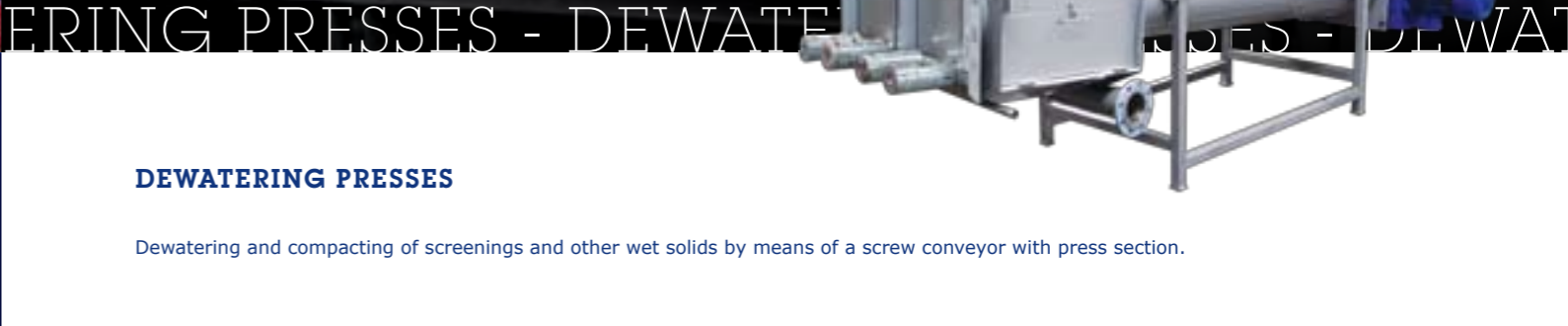
Configurations

- horizontal and inclined screw conveyors / inclination up to 35° / length up to 40 meter
- vertical screw conveyors
- pushing and/or pulling screw conveyors
- storage bunkers with bottom conveyor(s)
- screw conveyors with dewatering section(s)
- screw conveyors with manually, pneumatically or electrically operated slide valves or diverter valves
- gastight screw conveyors
- screw conveyors for potentially explosive atmospheres (ATEX)
- custom-made screw conveyors
- etc.

Fields of application

- vegetable, fruit and potato processing industry
- sugar industry
- meat and poultry processing / abattoirs / rendering industry
- fish and shellfish processing industry
- brewing, malting and beverage industry / distilleries
- horticulture industry
- paper and pulp industry
- chemical and petrochemical industry
- mining and minerals industry
- exhaust gas cleaning
- waste recycling industry
- spent catalyst recycling
- bioenergy industry
- sewage water treatment
- etc.





DEWATERING PRESSES

Dewatering and compacting of screenings and other wet solids by means of a screw conveyor with press section.

Capacity

0 to 30 m³/h

Configurations

- horizontal and inclined dewatering presses / inclination up to 25° / length up to 10 meter
- dewatering presses in combination with bow screen(s) or drum screen(s) for pre-dewatering
- dewatering presses with pre-dewatering section(s)
- gastight dewatering presses
- dewatering presses for potentially explosive atmospheres (ATEX)
- custom-made dewatering presses
- etc.

Fields of application

- vegetable, fruit and potato processing industry
- sugar industry
- meat and poultry processing / abattoirs / rendering industry
- fish and shellfish processing industry
- brewing, malting and beverage industry / distilleries
- horticulture industry
- zoos
- paper and pulp industry
- chemical and petrochemical industry
- exhaust gas cleaning
- waste recycling industry
- bioenergy industry
- sewage water treatment
- etc.

SERIALS - SCREW SEPARATORS



Separation of settling solids from waste water and process water by means of sedimentation.

- liquid: 0 to 160 m³/h
- settling solids: 0 to 2 tons/h

- inclined screw separators / inclination up to 25° / length up to 15 meter
- screw separators for potentially explosive atmospheres (ATEX)
- custom-made screw separators
- etc.

REKO screw separators are mainly used for the separation of sand, stones, grit, slag and other settling solids in the following processes and industries:

- vegetable, fruit and potato processing industry
- sugar industry
- shellfish processing industry
- horticulture industry
- chemical and petrochemical industry
- mining and minerals industry
- steel industry
- concrete and cement industry
- waste recycling industry
- bioenergy industry
- sewage water treatment
- etc.

REKO Industrial Equipment B.V.

Delta Industrieweg 36 · 3251 LX Stellendam · P.O. Box 41 · 3250 AA Stellendam · The Netherlands
T +31 (0)187 492988 · F +31 (0)187 492781 · info@reko.com · www.reko.com

REKO Sieb- und Fördertechnik GmbH

Kemptener Straße 129 · 87629 Füssen · Deutschland
T +49 (0)8362 941505 · F +49 (0)8362 941507 · info@reko-sft.de · www.reko.com