



WEDGE WIRE AND PERFORATION
**OPTIMISED PRODUCTS FOR
THE SUGAR INDUSTRY**

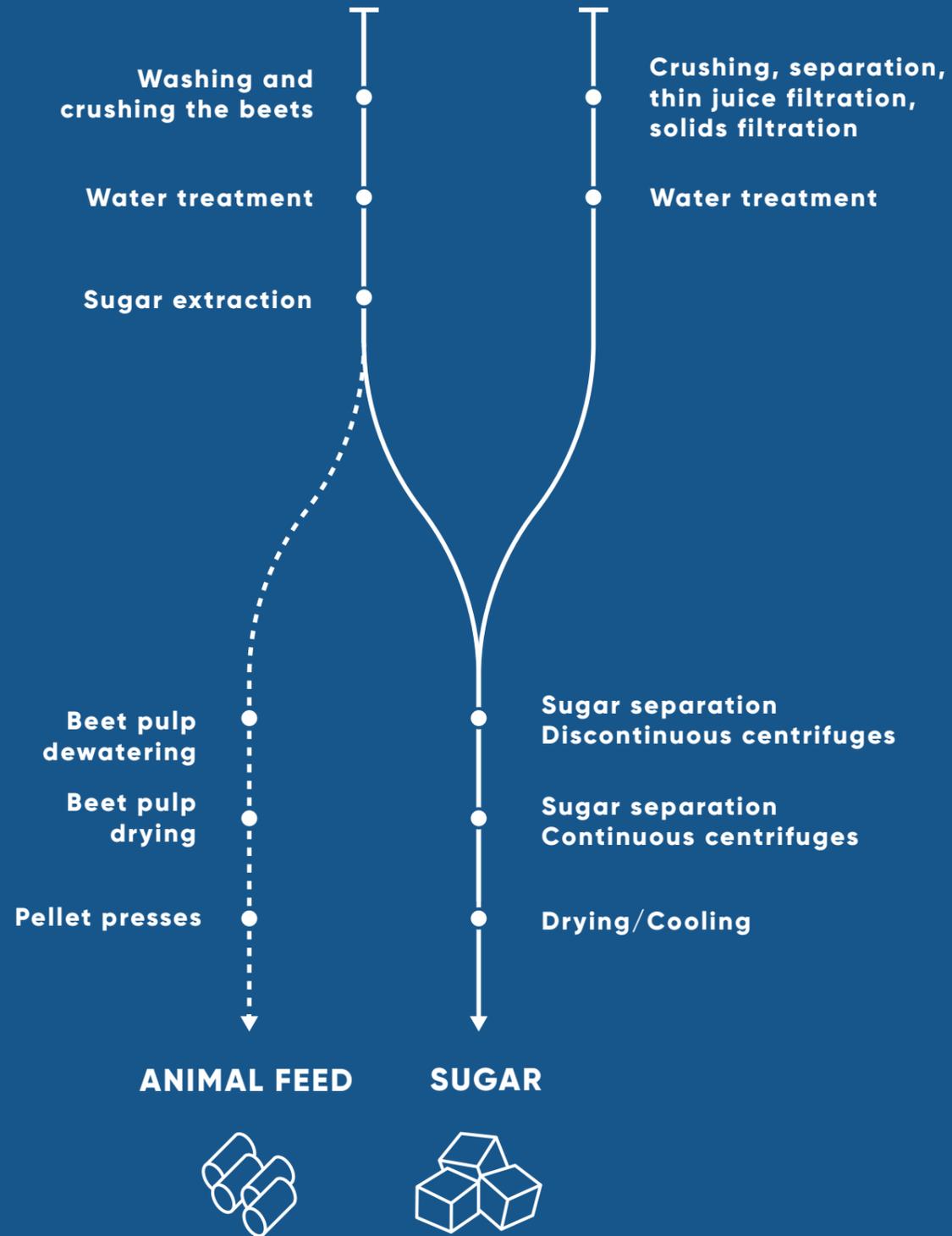
INNOVATIVE TECHNOLOGIES FOR ALL
APPLICATIONS AND PROCESSES

ANDRITZ

ENGINEERED SUCCESS

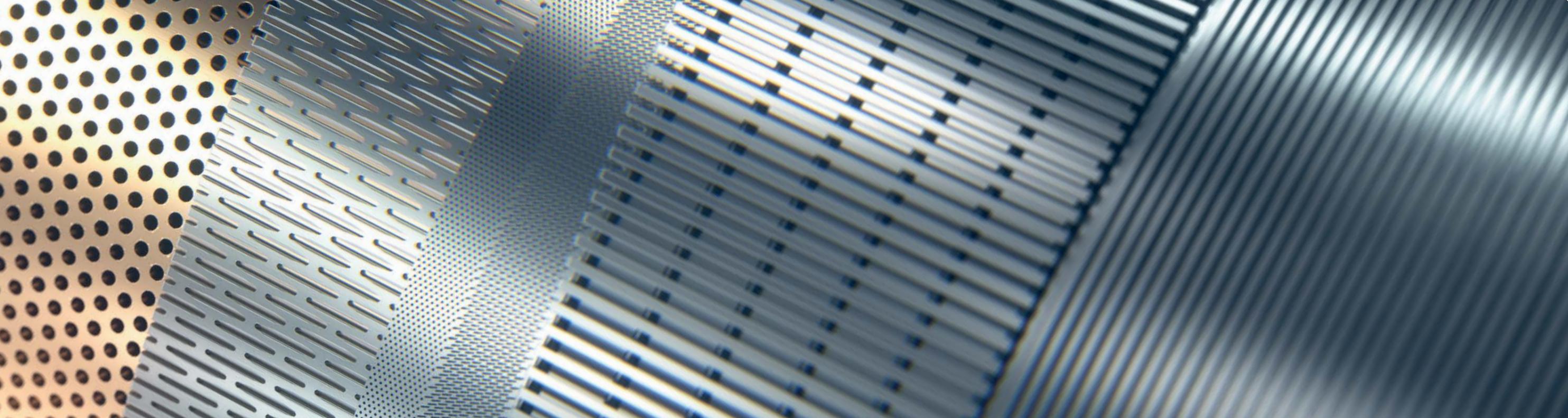


SUGAR BEETS SUGAR CANE



**ENGINEERED
SUCCESS**

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ANDRITZ - Partner to the sugar industry

Whether sugar beet or sugar cane is the raw material, or whether industrial or food sugar is the end product: annual sugar production in the 2017/18 harvest year almost reached the 200 million ton mark. Parallel to the continuous increase in production, there has recently been an increasing concentration in the global sugar industry. Increasingly large quantities of sugar are being produced by fewer and fewer companies.

We at ANDRITZ have successfully adapted to these developments in recent years. As a global technology group with over 280 locations, we supply sugar producers worldwide with our filtration and separation components. Our long-term customer relationships and partnerships prove that we have succeeded in aligning our products to the increasing demands of the producers for precision and quality. Machine components from ANDRITZ make it possible to optimise efficiency in all phases of production.

A COMPETENT PARTNER FOR ALL PRODUCTS

We offer different production technologies, for each process from a single source - unique in the global sugar industry. This ensures a range of filtration and separation components that allow the most efficient filtration and extraction of valuable raw materials and residues during sugar processing. In cleaning and extraction processes, in dewatering and separation, drying and cooling or a variety of services: As a renowned specialist for filter technologies of all kinds, we support you with each of your process steps. With ANDRITZ you have a contact person, a specialist, a companion on the way to success!

ALL PRODUCTION OPTIONS FROM A SINGLE SOURCE

PUNCHING

- Round, long or special perforations
- From 0.5 mm hole diameter, sheet thickness up to 20 mm

DRILLING

- Bi-cylindrical, cylindrical, countersunk, conical or cylindrical conical hole geometry
- From 0.4 mm hole diameter, sheet thickness up to 20 mm
- Optimal for critical ratios (the smallest hole diameter in thick sheets)

MILLING

- With or without pre-milling
- With or without profile milling
- From slot widths of 0.1 mm, sheet thickness up to 10 mm

MICRO-PERFORATION

- Round, long or special perforation
- From 0.05 mm hole diameter, sheet thickness up to 6 mm

WEDGE WIRE SCREEN TECHNOLOGY

- Filtration direction from inside to out or from outside to in
- Radial or axial slot direction
- Various profile shapes and sizes
- Slot widths from 0.015 mm

CONIPERF

- Triangular or slot perforation
- Smoothed or polished
- Screen openings from 0.1 mm, sheet thickness up to 1.5 mm

WIRE MESH

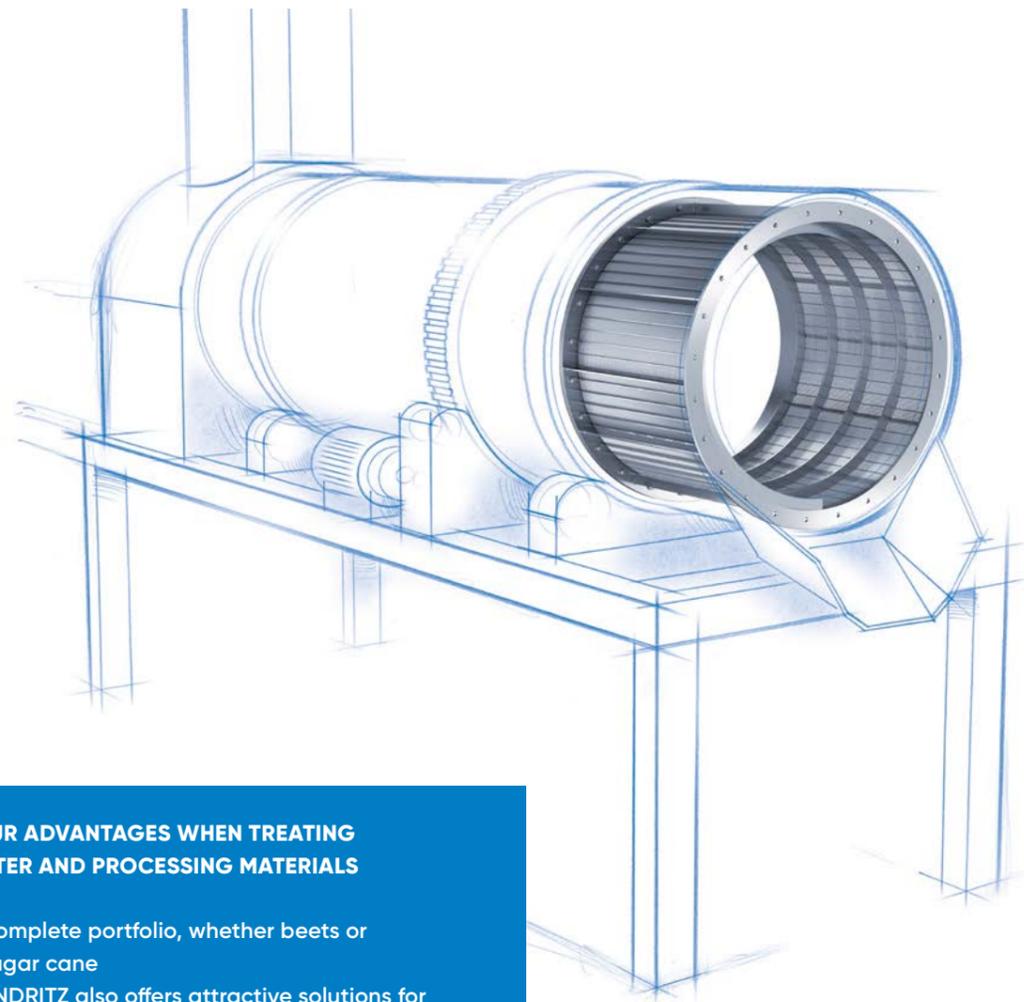
- Single or multi-layer, and even sintered
- Mesh size from 0.03 mm

WATER JET PERFORATION

- Variable contour of the screen opening
- Screen openings from 0.06 mm, (sheet thickness up to 1.5 mm)
- Sheet thickness up to 25 mm

Water treatment and material preparation

The washing of sugar beets or the soaking of sugar cane are among the first steps in sugar production. ANDRITZ supports you with long-lasting and precise screening and filtration components: punched, drilled, milled, micro-perforated or wedge wire screen components for water, material and raw material processing, as well as various filtration components complete our range.



YOUR ADVANTAGES WHEN TREATING WATER AND PROCESSING MATERIALS

- Complete portfolio, whether beets or sugar cane
- ANDRITZ also offers attractive solutions for secondary processes such as green waste processing operations and water treatment
- No matter which system, our components fit 100%



Flat screen for the beet washing



Bent screen for the beet washing

COMPONENTS FOR BEET WASHING

Whether it is bent screens, flat screens or screen drums for beet washing, ANDRITZ supplies durable components for beet cleaning. The beets are washed gently due to the burr-free, outwardly conically shaped screen opening.

- Durable and low maintenance
- The lowest possible damage to the beet
- High separation performance due the maximum open area



Screen drum for the beet washing

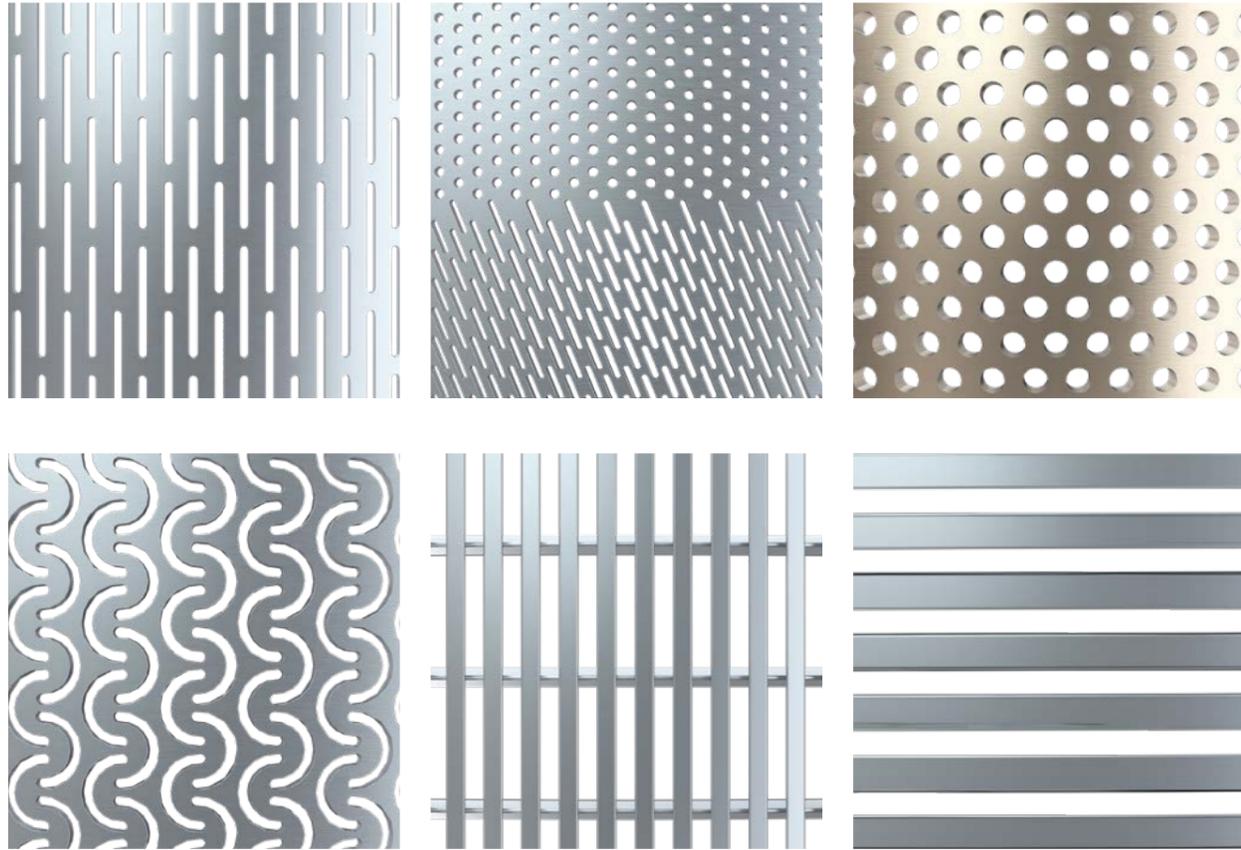
LIME-MILK DRUMS

Lime-milk drums are used in sugar production for the cleaning of coarse elements from the lime milk. Due to its stable construction combined with a large open area, ANDRITZ recommends the use of wedge wire screen drums.

- Large open area
- Easy to clean
- Long lifetime



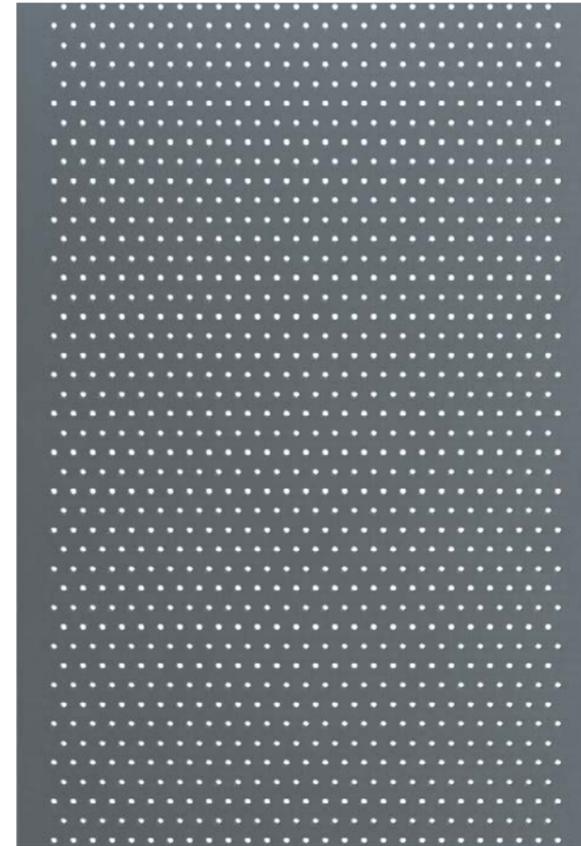
Lime-milk drum



FILTER ELEMENTS

All perforation options are available from a single source. We are happy to advise you which of our production technologies is best suited for your application.

- High-precision perforation
- Smooth surface without burrs
- High wear resistance
- All types of production technologies possible

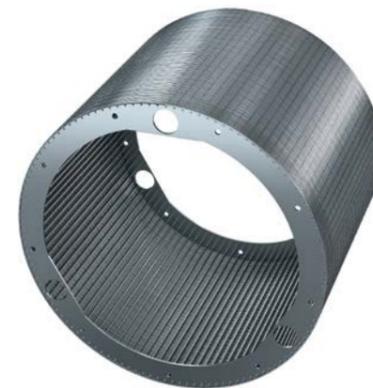


Vacuum filter in stainless steel with 0.5 mm perforation

PERFORATED SCREENS FOR VACUUM FILTERS

Vacuum filters are used to remove unwanted contaminants (fibres, sand) from the juice. Vacuum filters are offered with different perforations in both stainless steel and copper.

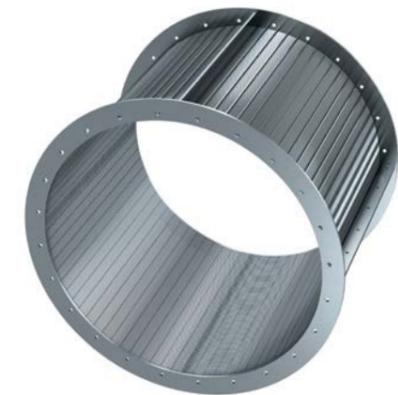
- Inexpensive filtration solution
- Very effective process
- Tailored to your process



Drum filter, filtration direction from outside to in

WEDGE WIRE SCREEN DRUM FILTERS

Wedge wire screen drums can be used both for washing the beets, and for the filtration and separation of solid and liquid components in other areas. ANDRITZ supplies wedge wire screen drums for processes with flows from inside to out as well as from outside to in.



Drum filter, filtration direction from inside to out

- Low blockage tendency
- For filtration of fibres from 100µm and up
- Low maintenance
- Wide range of profile wire geometries and materials
- High slot width accuracy for the best process results



Bent screen

BENT SCREENS

Bent screens are used to separate solids from liquids in a wide variety of applications. For example, in water treatment and the filtration of process water, in the separation of pulp and in the filtration of sugar juice.

- Increased throughput due to optimised profile wire geometry
- High surface quality, optionally polished
- Ready-to-install delivery on request, including screen housing
- Support in calculation and design



Whitener screen

WHITENER SCREENS AND BACKWASH FILTER

ANDRITZ also supplies many other filtration elements such as whitener screens and backwash filters. Whitener screens are used to remove the brownish colour of cane sugar, backwash filters are used for water treatment. Both filtration components can be produced as a drilled variant with or without multilayered mesh, or as a wedge wire screen filter.

- The smallest screen openings possible (from 10µm)
- The most diverse, process-adapted screen configurations possible
- Also available as wedge wire screen solution



Filter nozzle

FILTER NOZZLES

Filter nozzles are used for filtration e.g. of the sugar extract. Unlike standard plastic nozzles, no inert medium is required for wedge wire screen nozzles, which increases the regeneration capacity.

- Significantly longer life and reduced maintenance costs
- Precisely manufactured slot openings prevent unwanted foreign matter or filter aids leaking
- Resistant to high temperature, corrosion and high pressure

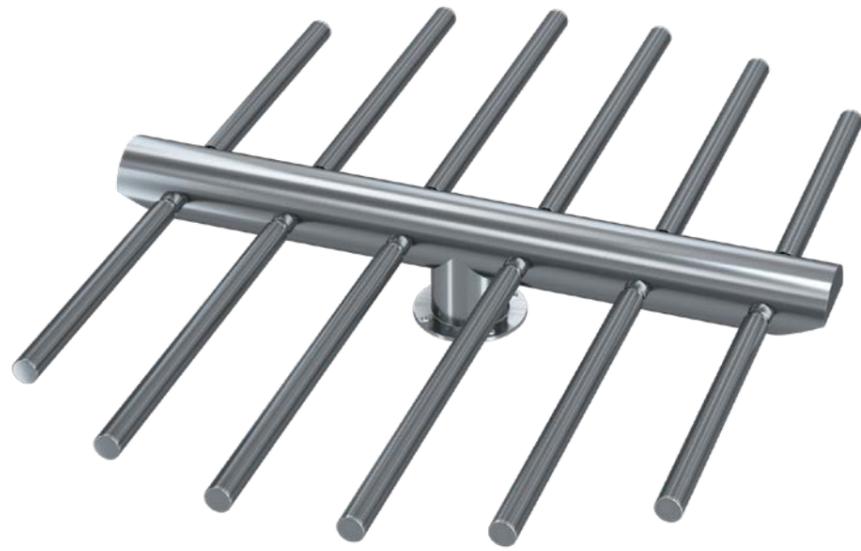


Ion exchanger

ION EXCHANGER

Ion exchangers are used in the sugar industry for decalcification of the beet juice, decolourisation of the sugar cane juice and for separating glucose and fructose in column chromatographs.

- Precise slot widths for a reliable process
- Long lifetime
- Optimised for your process

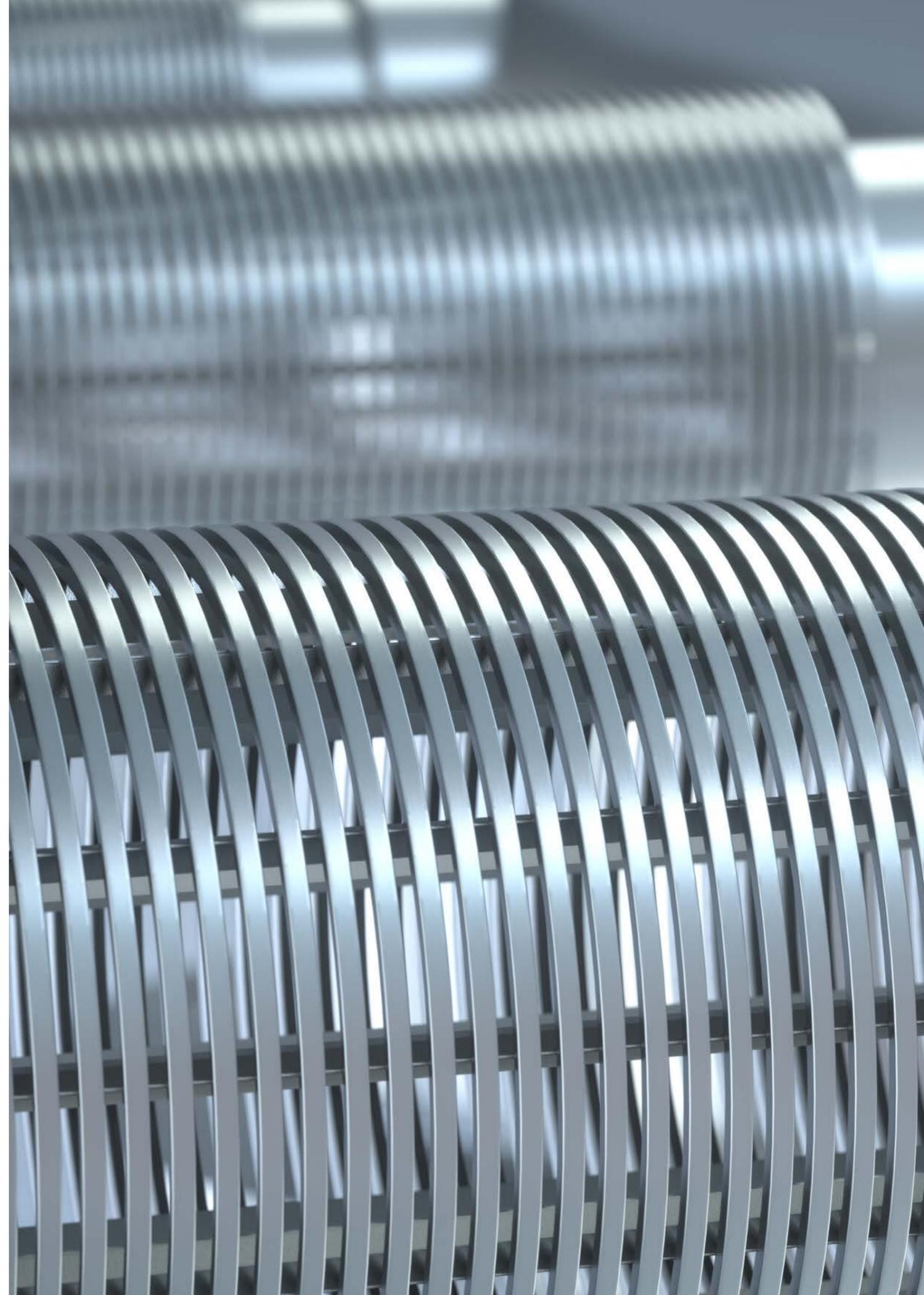


Distribution/Collection system

DISTRIBUTION AND COLLECTION SYSTEMS

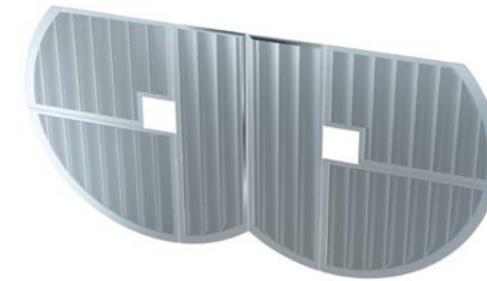
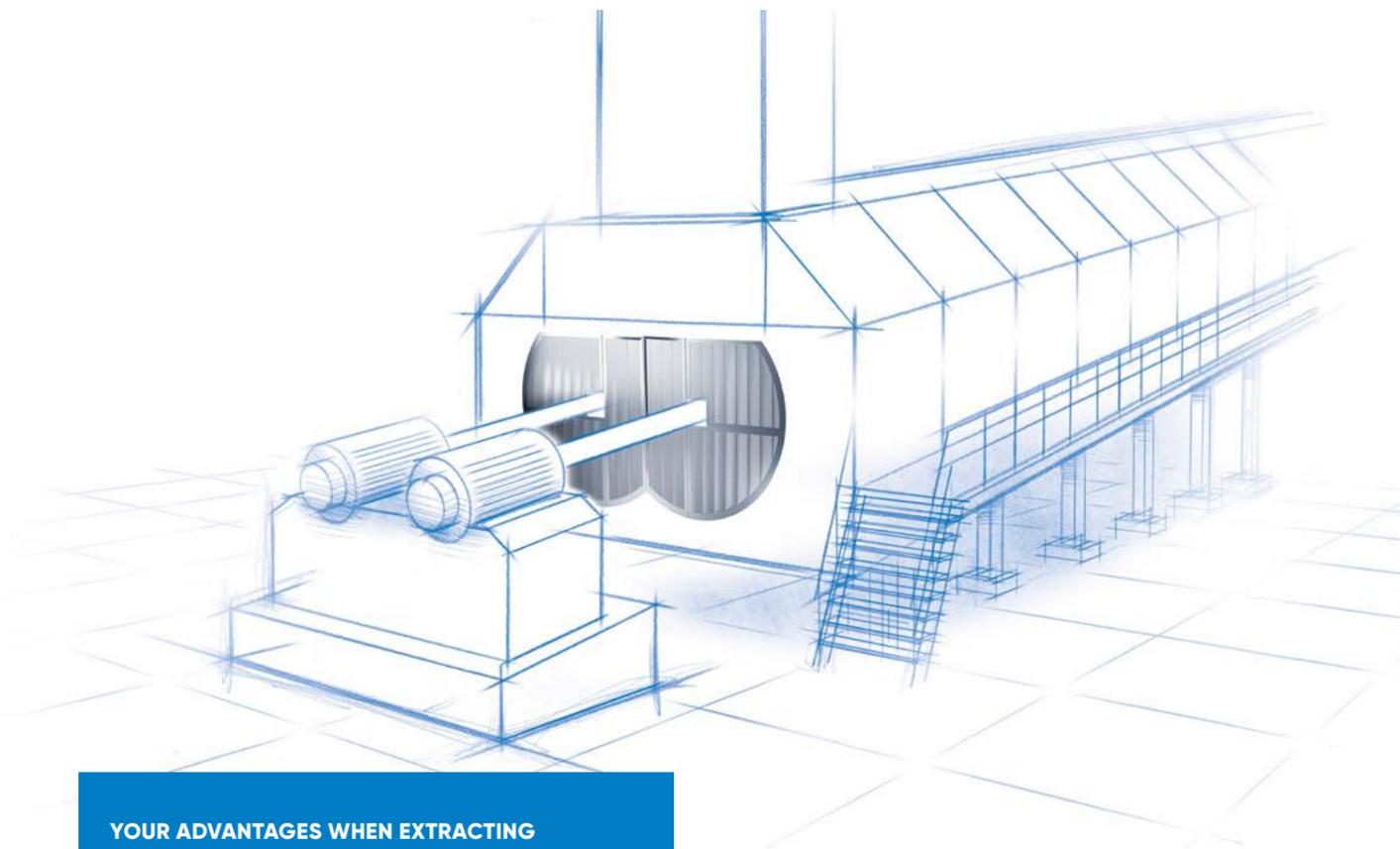
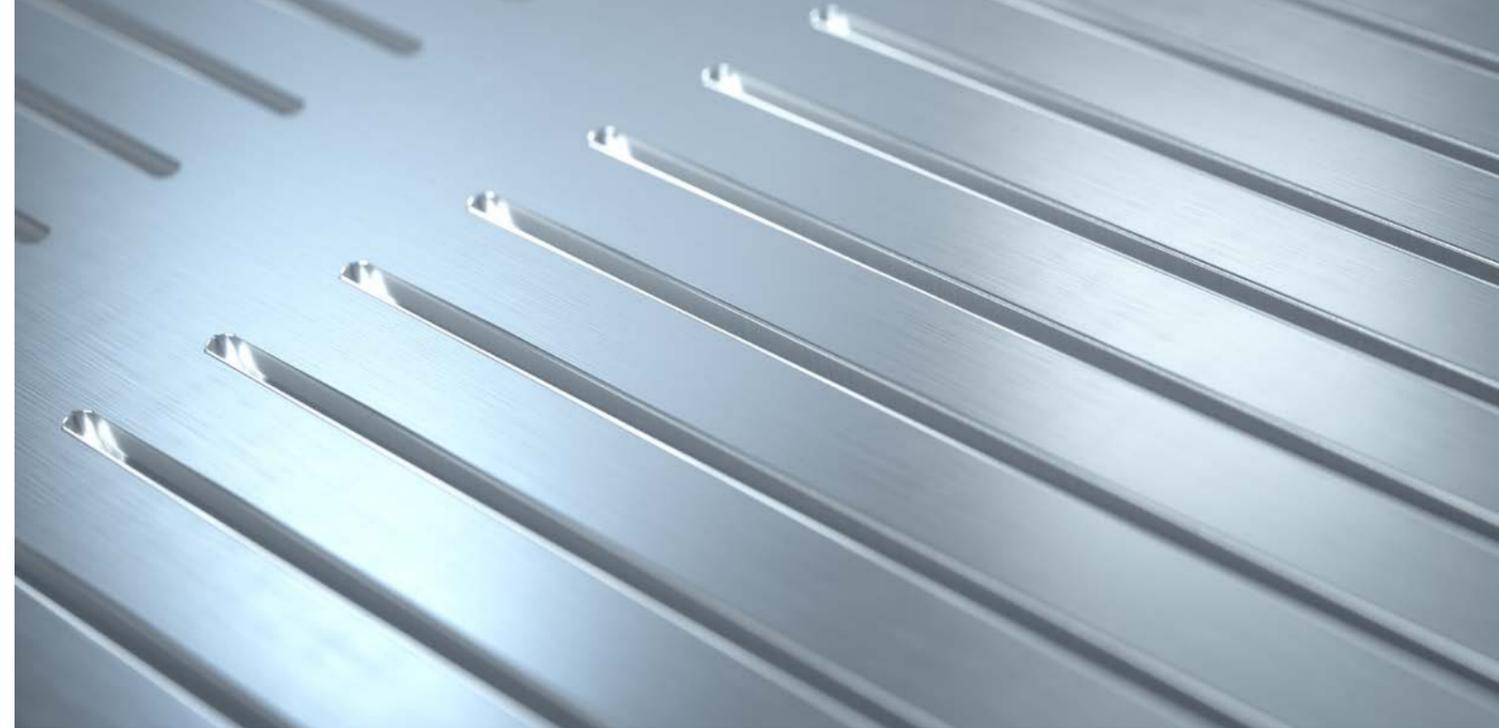
Wedge wire screen distribution and collection systems are used for filtration and even distribution of liquids. The precise slot openings ensure an improvement of the process cycles and a longer running time.

- No product contamination due to leakage of reactor resins or filter aids
- Improved regeneration time
- Possibility of additional use of the container bottom

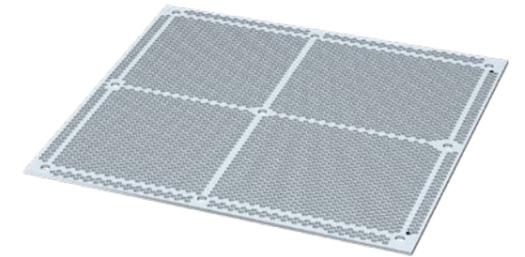


Extraction/diffusion

The extraction process of sugar from sugar beet has a high impact on the sugar yield and thus income. It is important to control the leaching of the raw material as efficiently as possible in order to achieve the best possible output with maximum capacity. From extraction towers to DDS troughs to rotating diffusion drums, ANDRITZ is your competent partner. In most cases, the extraction process is the bottleneck of the entire production chain. Capacity can be increased through the use of optimised screens. We can also offer you optimised solutions that simplify the cleaning of screens, for example. We would be happy to discuss your system together and identify optimisation potential for the maximum sugar yield.



DDS bottom screen



RT diffusion screen

DDS (DIFFUSION)

DDS screen trays are used during extraction. They are used to retain the pulp. We can offer you DDS screens in punched, drilled and slot-milled versions. The retention of the pulp and additionally the capacity can be increased by the choice of perforation.

- High stability and durability due to high material thickness
- Improved dewatering performance
- Process optimisation by changing the screen opening possible
- Available drilled, milled or punched

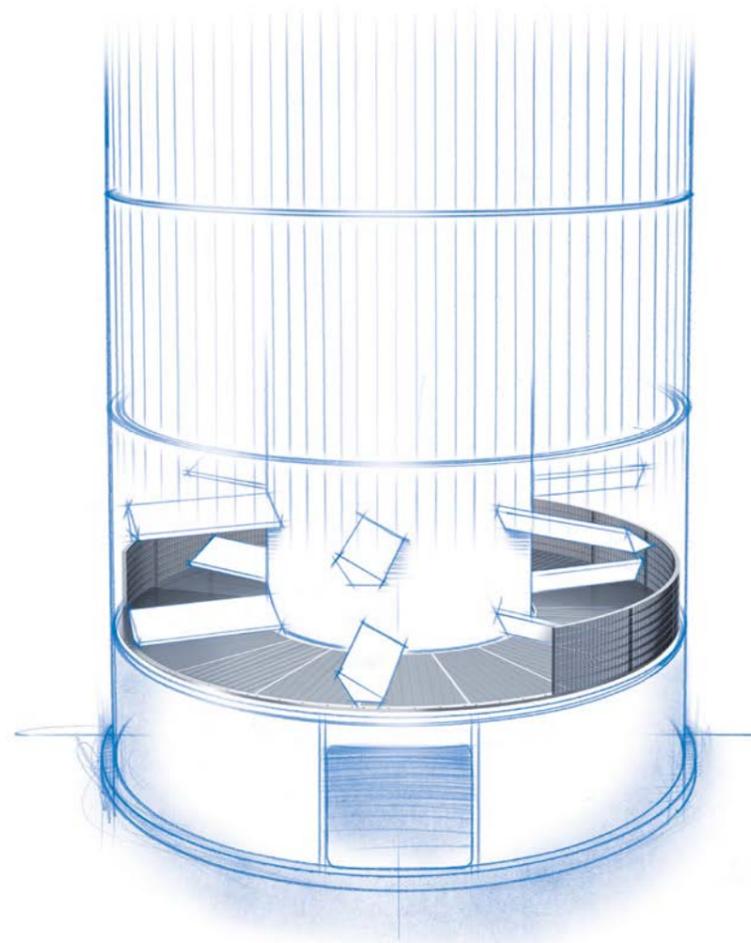
RT (DIFFUSION)

Screens for RT diffusion drums can be supplied as a cost-effective, punched version or as an optimised, drilled version. With the drilled version, thicker and more wear resistant materials can be machined. In addition, using this method, the screening area can be increased, increasing the capacity significantly.

- Capacity increase (large open area)
- Increase in service life
- Precise screen openings

YOUR ADVANTAGES WHEN EXTRACTING AND DIFFUSING

- Optimisation opportunity in several processes
- Improve filtration and thereby increase output
- Installation of new equipment and conversion possible on site



BOTTOM AND SIDE SCREENS FOR EXTRACTION



TYPE OF SCREEN	MILLED SLOT	WEDGE WIRE	LOOPED WIRE
Slot geometry	*** Conical and parallel	** Parallel but consistent	*** Conical and parallel
Tolerances	**	***	.
Open area	** up to 35%	*** up to 45%	. up to 30%
Cleaning and maintenance	***	**	.
Wear resistance	***	***	.
Recommendation	*** The best performance for optimal process results	** The largest open area	. Cost-effective solution

*** optimal results
 ** good results
 . satisfactory results

EXTRACTION TOWERS

In many cases, maximum capacity in the extraction process has already been achieved and can only be expanded by commissioning a further tower. ANDRITZ manufactures optimised screens as an alternative solution to this, which achieve an increase in throughput. The higher open area and smaller screen openings retain the pulp more efficiently and significantly increase its capacity. Optimised opening geometries reduce the risk of blockage of the screens by small stones or pulp and simplify cleaning.

- Capacity increase due to large open area
- Very easy cleaning of the screens
- Precisely manufactured screen openings ensure efficient retention of pulp and foreign matter
- Can be retrofitted without structural changes to the basic system
- Newly developed: Optimised, slot-milled screen trays



Bottom and side screen for extraction towers

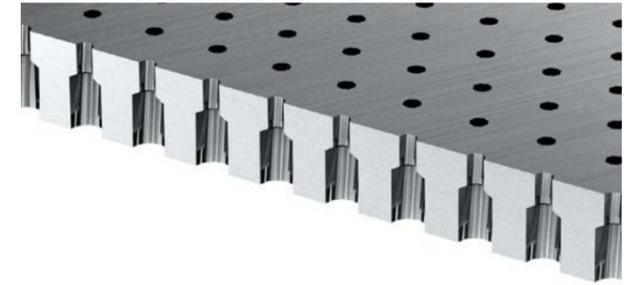
Dewatering

A high dry mass content at constant or higher throughput of the pulp press is a decisive factor for subsequent processes. The higher the dewatering performance, the lower the energy costs for drying. A dewatering process can be optimised in different places. ANDRITZ helps you to optimally exploit potential for improvement.

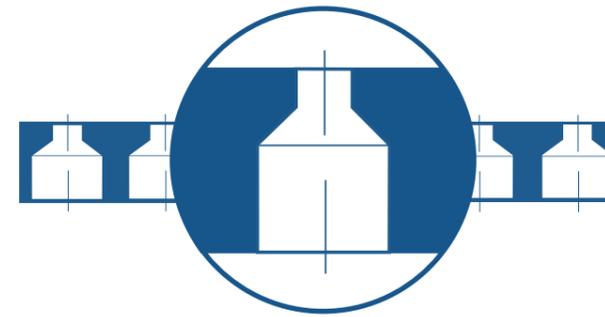


DRILLED PRESS SCREENS

ANDRITZ supplies drilled press screens with a special bi-cylindrical hole for maximum dewatering performance. The different geometries of the drilled holes reduce the risk of clogging, while maximising dewatering performance, dimensional stability and wear resistance.



Cross section of the bi-cylindrical drilling



Bi-cylindrical drilling

MATERIAL

Many suppliers of screen elements use standard stainless steels that can be deformed or damaged under high loads. As a result, the dewatering performance is significantly reduced. For optimum dewatering performance, ANDRITZ supplies all drilled press screens in wear resistant duplex material.

OPTIONS

The yield strength R_p shows the force that can be applied before the material deforms. The higher the R_p , the more dimensionally stable the material and the longer the screen element will last without damage.

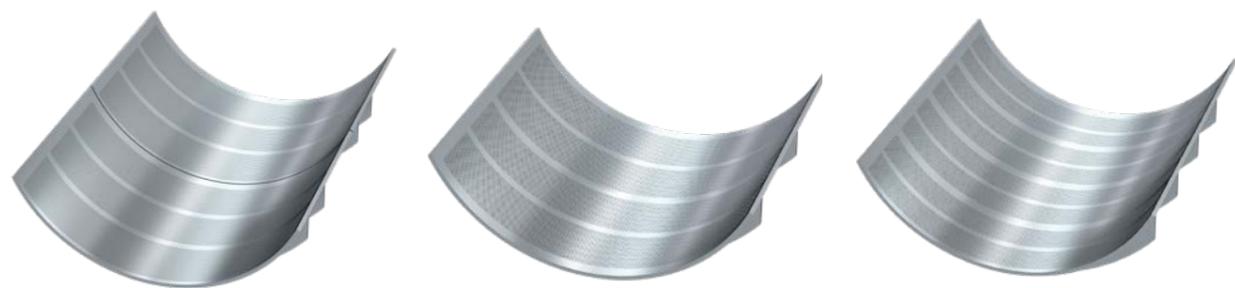
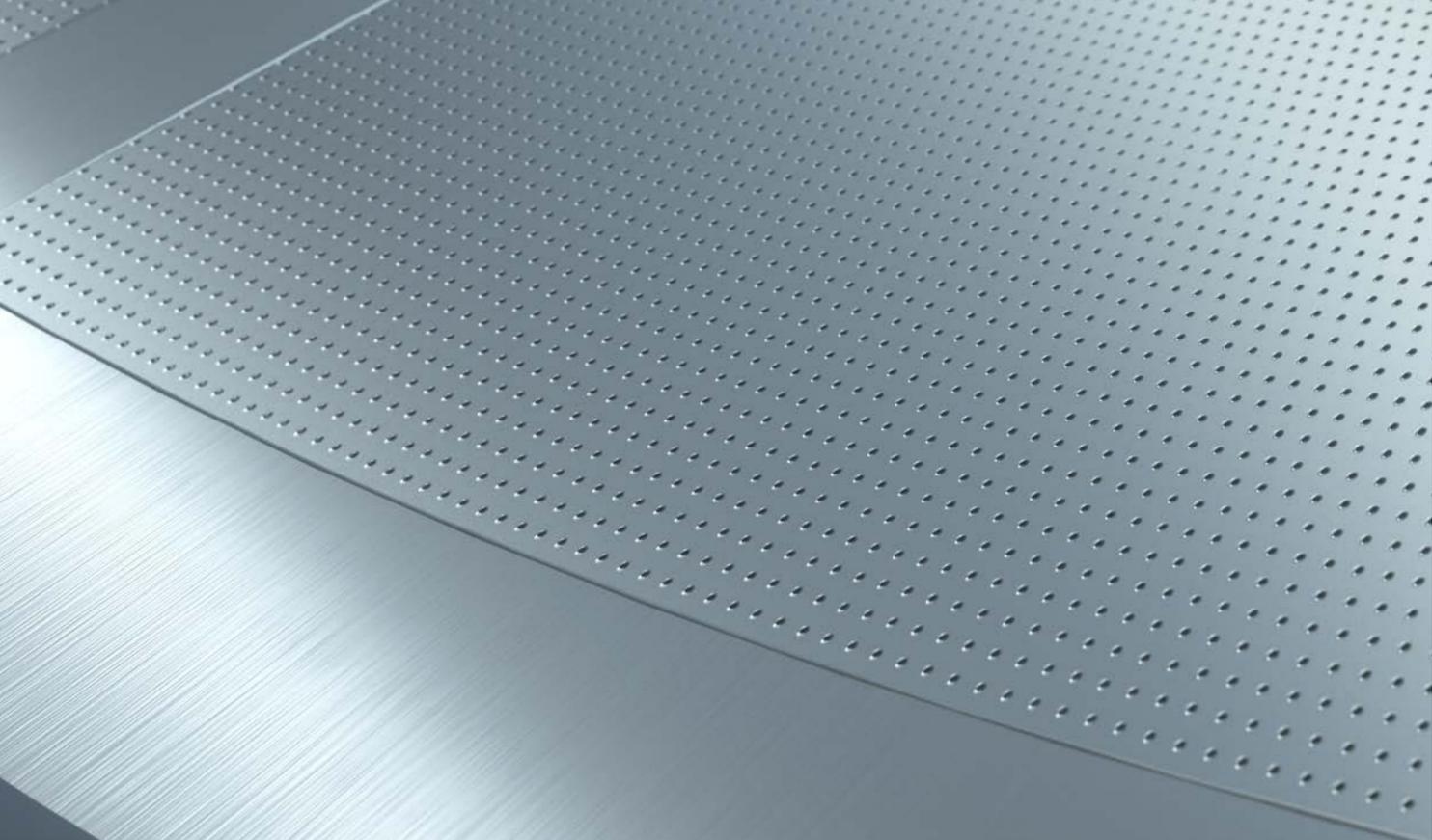
AISI 303/1.4305 R_p : 300 N/mm

AISI 304/1.4301 R_p : 360 N/mm

ANDRITZ: L-Duplex/1.4162 R_p : 450 N/mm

YOUR ADVANTAGES WHEN DEWATERING

- Optimisation of dewatering performance
- Use our process know-how and save energy costs in subsequent processes
- Many services for pulp presses of every kind available on site



Press screens

DRILLED PRESS SCREENS (HORIZONTAL)

The drilled screens from ANDRITZ ensure optimal dewatering in the pulp presses and enable both a reduction in energy consumption and maintenance costs. Thanks to the maximum number of holes and an ideal hole geometry, the risk of clogging is minimised and optimum dewatering results are achieved, which reduces energy consumption for the subsequent drying of the beet pulp.

Another important aspect of dewatering is the correct distance between the screw and the screens in the press, in addition to the number of holes. The drilled

screens from ANDRITZ Fiedler are more resistant to abrasion and deflection, and therefore have a longer service life. This robustness is a result of the screen design and the use of particularly wear-resistant stainless steel alloys, which are perfectly matched to the requirements in the presses.

- **High dimensional stability: no deformation in normal operation**
- **High wear resistance**
- **Low risk of blockage due to special hole geometry**

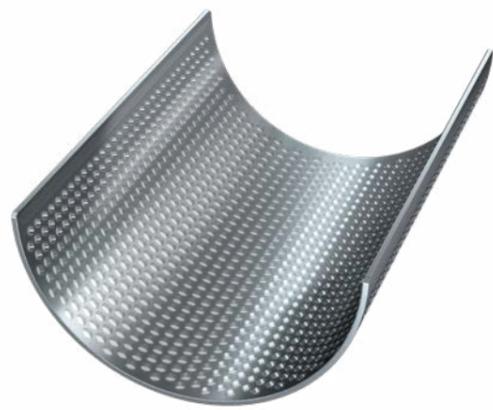
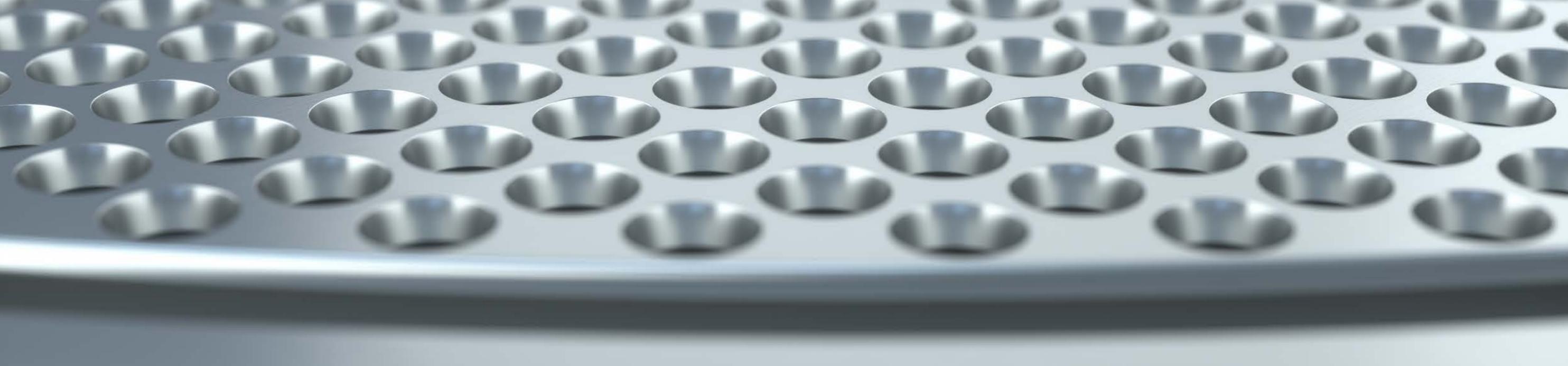


Perforated screens for press spindles (schematic representation)

SPINDLE ASSIGNMENT PLATES

Depending on the design of the press, the dewatering performance of spindles with internal dewatering can be optimised by suitable spindle plates. An important factor here is the open area. Drilled spindle plates from ANDRITZ offer the greatest possible open area for optimal dewatering.

- **Optimised open area and perforation for optimal dewatering performance**
- **Also available as a punched variant**
- **Use of duplex materials for the highest wear resistance possible**



Punched screen for screw presses

PUNCHED PRESS SCREENS

As a less expensive alternative to drilled press screens, ANDRITZ also supplies punched screens for sugar beet presses. Punched screens for pulp presses have a hole diameter greater than 1 mm and a sheet thickness of 1-2.5 mm, depending on the hole diameter. The lower stability of these thin sheets is compensated by punched support screens.

- Less expensive alternative to drilled screens
- Increased stability due to "sandwich" construction
- If damaged, only the fine inner screen is replaced



Mounting bar for screw presses

MOUNTING BARS

Mounting bars are used to fix the screen elements and, like the screens, are subject to wear. Therefore, the mounting bars should generally be renewed with the screens. Each bar is manufactured according to the screw press and screen type.

- 100% stainless steel
- Custom-fit after measurement
- Standard bars and raw material in stock



Screen for screw press inlet funnels

SCREENS FOR INLET FUNNELS

Screens for inlet funnels are used for pre-dewatering and thus improve the dewatering performance of the pulp press. ANDRITZ offers the entire range of production options: whether punched, drilled, embossed or made of wedge wire, we are happy to advise you which screen is the right one for your process.

- Dewatering screens available individually or as a complete assembly including frame and support structure
- 100% suitable for your press type
- Tailored to your process



Pre-dewatering screen

PRE-DEWATERING SCREEN PULP PRESS

Another step to increasing the dewatering performance of the pulp press is to start dewatering in the pulp feed. For this purpose, ANDRITZ offers pre-dewatering screens made of wedge wire for maximum dewatering performance.

- Effective pre-dewatering
- Improvement of the dry mass content of the beet pulp
- Available in wedge wire and alternatively drilled



Screen for vertical press towers

DRILLED PRESS SCREENS

ANDRITZ supplies optimised, custom-fit screens for vertical press towers. Here, too, we optionally offer a version made of special material and with optimised bores.

- Optimised open area and perforation for the best dewatering performance
- With retention openings and reinforcing elements
- Use of duplex materials for the highest wear resistance possible

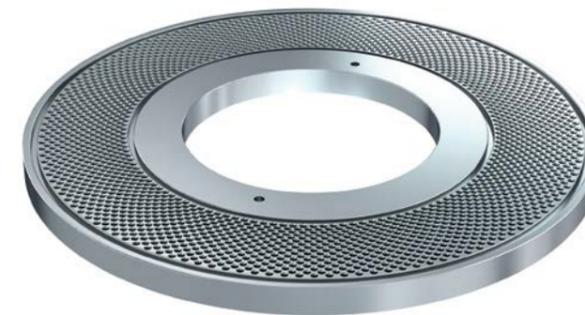


Perforated sheet for pulp dryers

PULP DRYERS

Punched or drilled screens are used in pulp dryers. ANDRITZ offers standard screens as well as optimised screens, and components made of special materials. Upon request, the screens are measured on site and supplied ready for installation, including frames. The removal and installation can also be carried out on request by our service staff.

- Drilled and punched screens for pulp drying
- Optimised processes possible due manufacturing in heat-resistant and special materials
- Available with and without mounting frame



Matrix for pellet presses

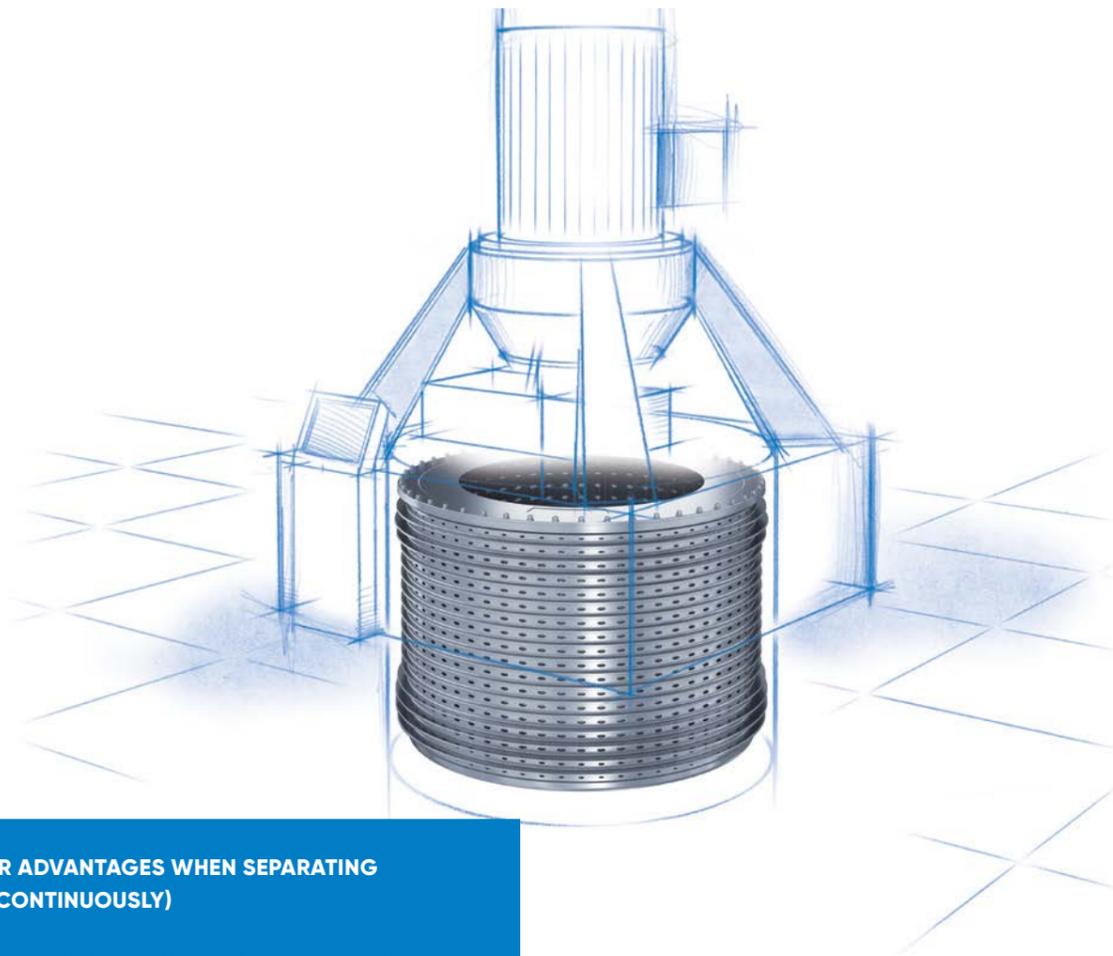
MATRICES FOR PELLET PRESSES

Pellet presses are used in the further processing of beet pulp residues. The dewatered beet residues are pressed through drilled matrices into pellets, which are then used as animal feed.

- Long durability due to wear-resistant stainless steel
- Optionally more resistant with hardened stainless steel
- Suitable for every pellet press, no matter which manufacturer

Discontinuous separation

In sugar centrifuges, the sugar crystals are separated from the mother liquor. The screen components used here are of more essential importance, since they have a major impact on the quality of the final product, capacity and operational safety. The screen components are exposed to very high loads in the separation process. This can lead to breakage of the screen and therefore metal particles in the sugar product, or lead to the destruction of the centrifuge and endangerment of staff. ANDRITZ has therefore developed a centrifuge screen, which not only significantly reduces the stress on the screen, but also reduces the cycle time.



YOUR ADVANTAGES WHEN SEPARATING (DISCONTINUOUSLY)

- Improved dewatering performance to shorten the cycle time
- Higher runtime at lower peak stress and therefore the highest operational safety
- Exclusive new development for the best results

MAXIMUM YIELD CENTRIFUGE BASKET

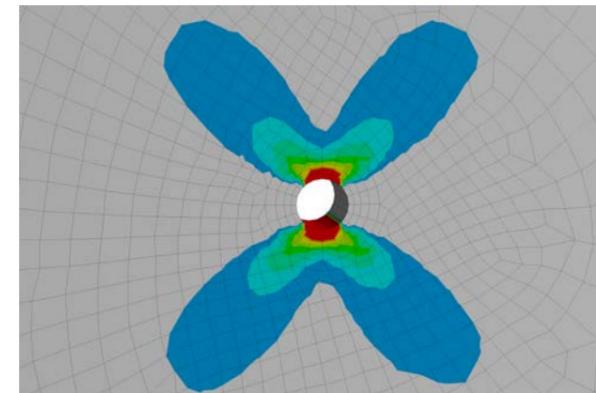
Our high-tech screen basket for discontinuous centrifuges with maximum yield technology consists of three individual baskets:

1. A fine screen made of wedge wire with a multiple life compared to the previous standard screen, with a significantly higher open area for a faster and more efficient separation of sugar crystals from the mother liquor
2. A support basket also made of wedge wire, which reinforces the fine screen and does not reduce the open area of the fine screen
3. A screen drum made from a modern duplex material. This patented and TÜV-approved new design is characterised by its long service intervals, high operational reliability and reduced cycle times. This novel design with elliptical openings and V-ring construction reduces the stress peaks in the process from over 500 MPa to 275 MPa.

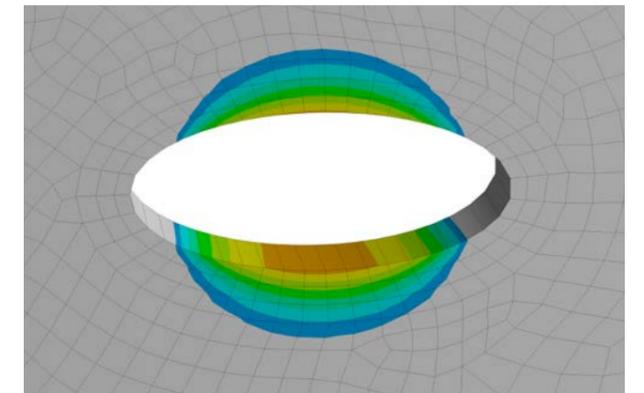
- **Maximum open area for highest dewatering performance**
- **Reinforcement rings for maximum stability and safety**
- **Reduction of cycle time by up to 50%**
- **Significant reduction of residual moisture (up to 50%)**
- **Increase the sugar yield (up to 6%)**



Maximum yield centrifuge basket

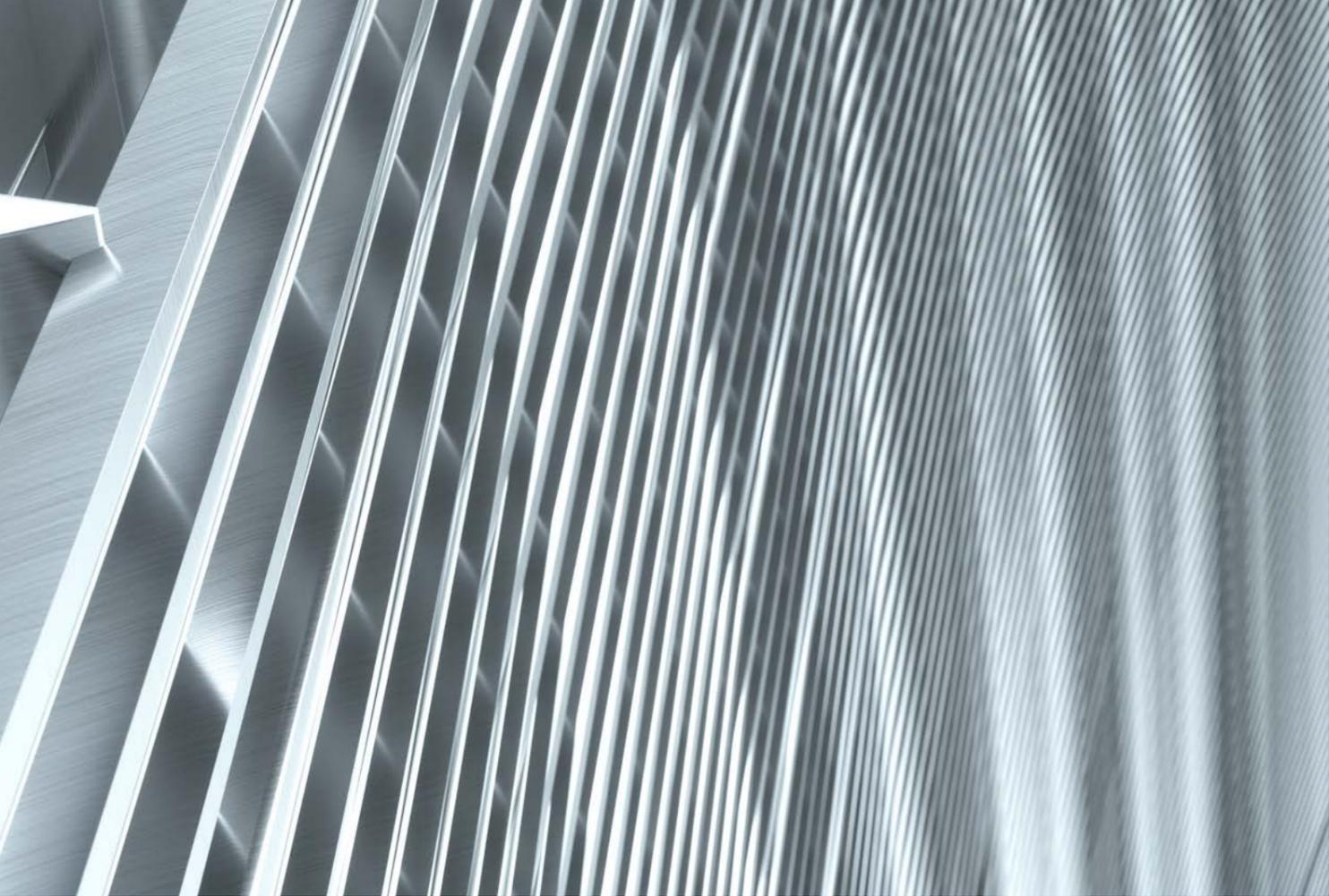


Maximum stress peak of a standard screen drum; Stress peak: above 500 MPa, greater than the yield strength of the drum material

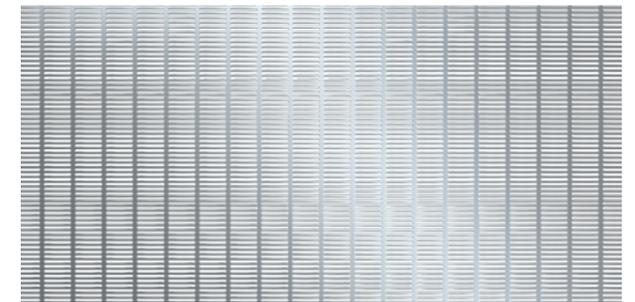


Maximum stress peak of the ANDRITZ Maximum Yield Centrifuge Basket; Stress Peak: 235 MPa

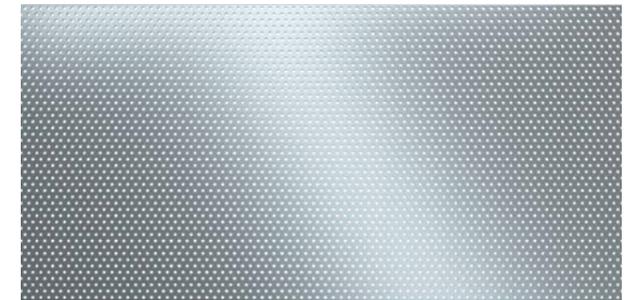




Wedge wire inner basket



Punched oblong perforation



Punched/Micro-perforated round perforation



Perfect Fit Centrifuge Basket

PERFECT FIT CENTRIFUGE BASKET

Our weight-optimised alternative. This basket can also be used with an existing motor and reduces cycle times by up to 25% compared to a standard basket. In addition, it offers a higher open area and thus increased dewatering performance

- Weight-optimised variant, works without modification of the machine
- Higher open area compared to a standard basket
- Cycle times can be reduced by up to 25%

INNER BASKET DESIGN VARIANTS

Do you want to keep your existing screen drum, but still increase dewatering performance and the sugar extraction rate? ANDRITZ offers optimised internal screens that are compatible with your existing centrifuge drum.

WEDGE WIRE INNER BASKET

- Open area up to 50%
- Optimised slot direction for the best syrup separation and protection of the sugar crystal from damage

PUNCHED INNER BASKET

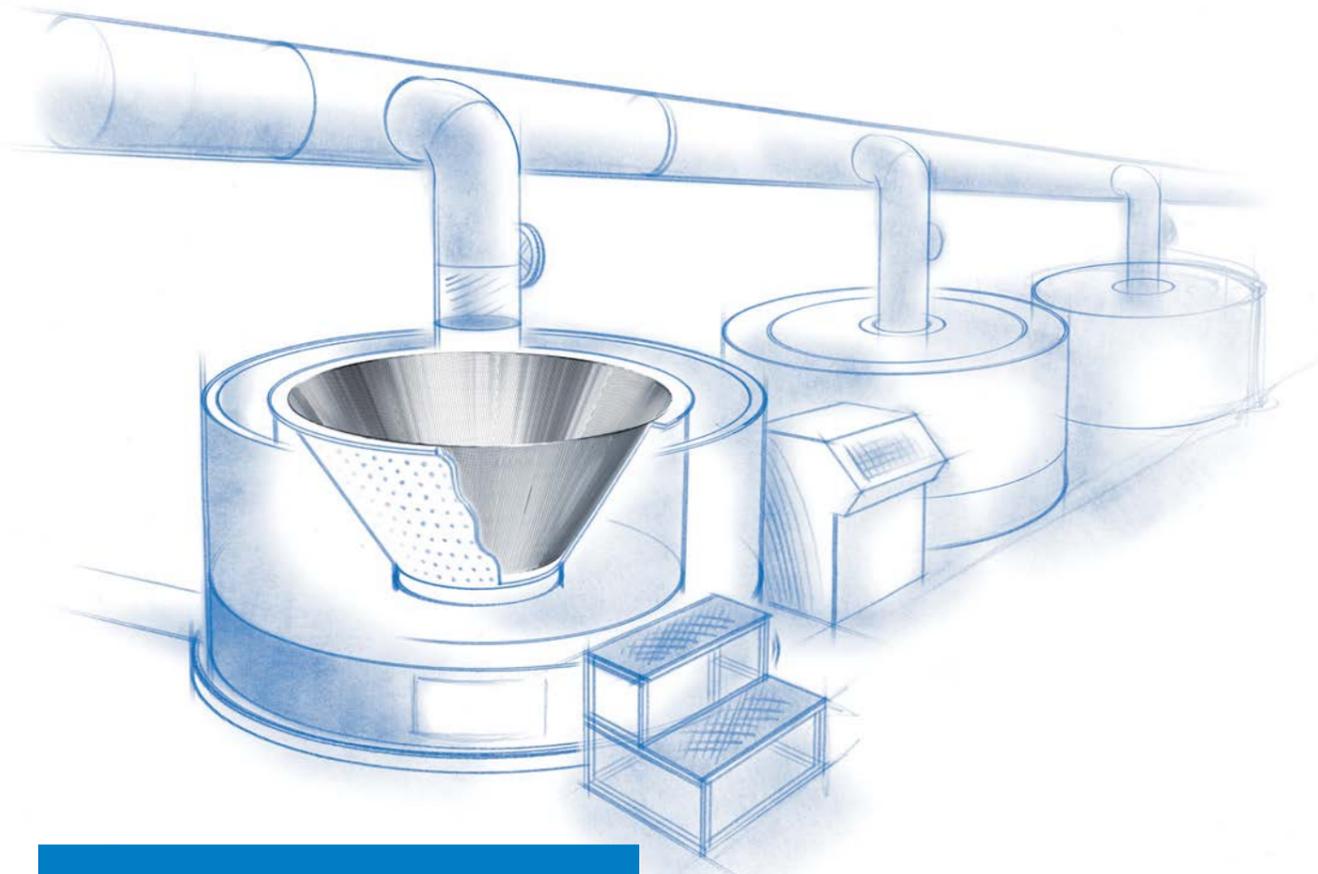
- Open area up to 25%
- Round or oblong perforation

MICRO-PERFORATED INNER BASKET

- Open area up to 25%
- Use of thicker Duplex material sheets for maximum wear resistance
- Round or oblong geometry

Continuous separation

ANDRITZ also supplies optimised screens for continuous centrifuges for your B & C sugar stage as well as for your post-product line. Our centrifuge screens ensure maximum yield and are custom-fit manufactured for your existing plant. No modifications are necessary when converting of galvanic chrome-nickel screens to our optimised wedge wire technology. A 1% increase in sugar yield can, depending on the current market price for sugar and produced volume, mean up to €500.000 more income. Calculate your optimisation potential together with our product specialists.



YOUR ADVANTAGES WHEN SEPARATING (CONTINUOUS)

- Improved product quality
- Higher yield
- High wear resistance

WHY OUR MONOCONE CENTRIFUGE SCREEN?

Unlike screens with short vertical slots, polished wedge wire screens with continuous horizontal slots enable the rapid separation of sugar crystals and molasses, as well as friction-optimised conveyance of the sugar crystals across the screen surface. When using polished wedge wire screens for continuous centrifuges, the horizontal slots ensure that the crystals do not break. The stroboscopic test shows that the crystals take a much gentler path across the surface of the wedge wire screen than with screens with vertical

PROCESS ADVANTAGES

- Higher sugar retention (up to 2% more)
- Fast separation of sugar crystals from the molasses
- High wear resistance: Low risk of sugar encrustation and damage by foreign substances
- Larger sugar crystals, less breakage
- No nickel or chrome contamination of the final product
- Increased production capacity due to higher open area and optimised profile wire geometry

slots. Wedge wire screens are significantly more robust than common screens and therefore more resistant to damage caused by foreign bodies or encrustation. All of our baskets for continuous centrifuges are manufactured from 1.4401/1.4404 (316/316L stainless steel), internationally recognised alloys for the food industry. In contrast to the standard CrNi foils, the materials used by ANDRITZ do not cause any chrome or nickel contamination.

MAINTENANCE ADVANTAGES

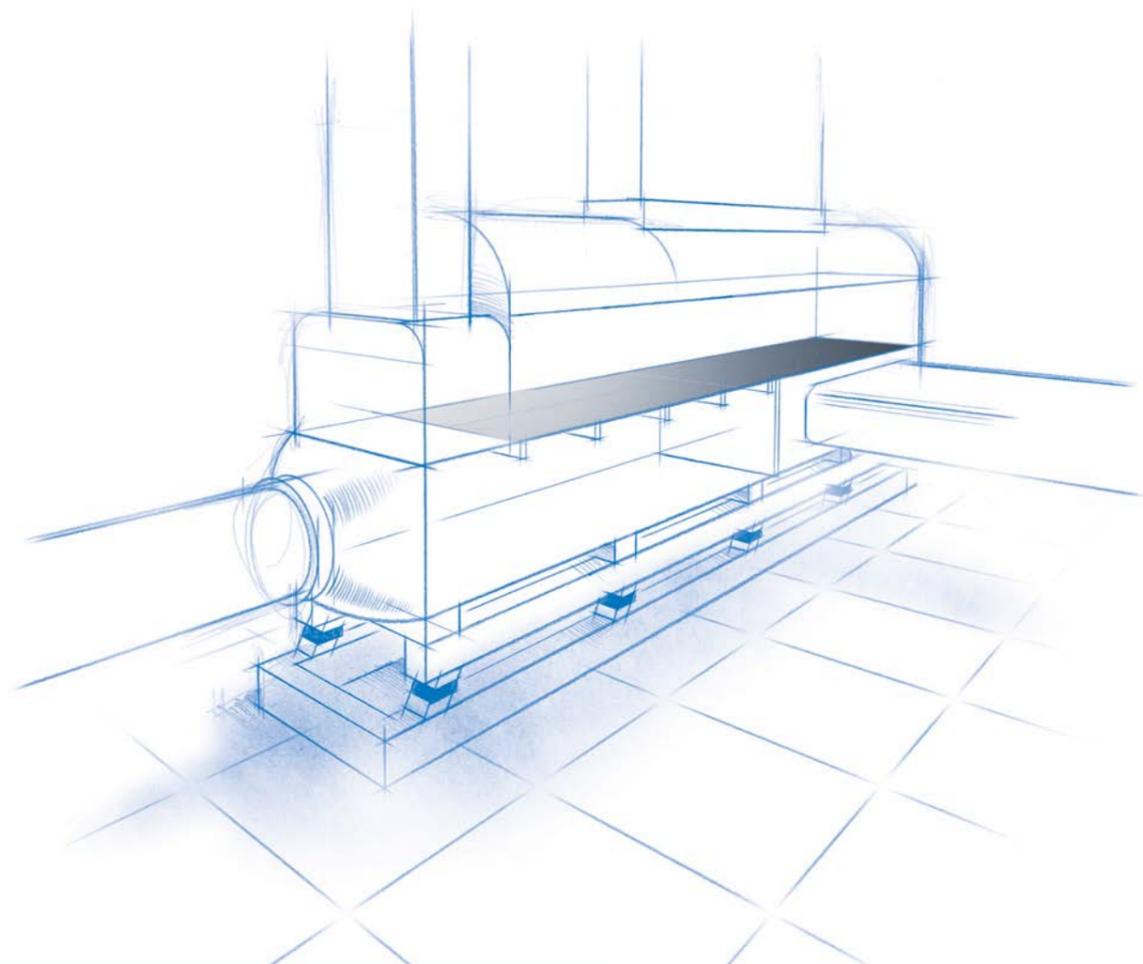
- No losses due to business interruption with frequent, unplanned screen changes
- Reduced maintenance effort
- No design changes to your machinery necessary
- No balancing required
- No downtime during the project
- Low maintenance costs



Monocone centrifuge basket

Drying/cooling

No matter which fluid bed dryer or fluidised bed system, ANDRITZ produces suitable screens for every type of vibrating and static machine. We supply punched, drilled, micro-perforated or screens with ConiPerf perforation tailored to your process. All screens are supplied with documented pressure loss values. Depending on requirements, a defined flow direction can be implemented.



YOUR ADVANTAGES WHEN DRYING AND COOLING

- Process-optimised drying components for all systems
- Total range of production types
- 100% accuracy of fit even for systems from other manufacturers



DRILLED DRYER FLOOR SCREENS

In the case of very fine final product, drilled and micro-perforated floor screens are frequently used. This has the advantage that the finest holes can be achieved even with thicker materials.

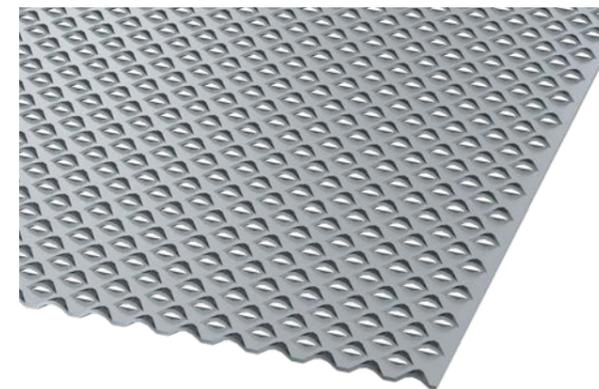
- The finest holes in high material thickness
- Longer life
- Variable perforation possible



PUNCHED DRYER FLOOR SCREENS

Punched floor screens are the most cost-effective solution for drying processes without high demands. The hole size can be adjusted according to specification. For very small hole diameters in thicker materials, however, it is necessary to switch to drilled dryer floors.

- Cost-effective alternative
- Variable hole diameter possible



CONIPERF DRYER FLOOR SCREENS

ConiPerf dryer floor screens are the first choice for all static fluid bed applications (e.g. sugar dryers/coolers). ConiPerf is different from other perforations because it is a "covered" hole. ConiPerf sheets have oblique, slightly conical perforations in the bore direction. The hole arrangement generates a flow component parallel to the sheet surface. This causes the sugar to flow in a fixed direction and not fall through the holes.

- Even air distribution
- Adjustment of the perforation at separate air zones
- Different flow directions possible

ANDRITZ Service

ANDRITZ not only offers ready-to-install, process-optimised components for the sugar industry, but also numerous on-site and in-house services. Please contact us and we will be happy to advise you!

SERVICE WITH COMPETENCE AND EXPERIENCE

From analysis through to the revealing of optimisation potential, ANDRITZ offers a variety of services for your plants in the area of water treatment and material preparation, extraction and diffusion, dewatering and separation as well as in the drying processes for sugar and beet pulp.

JUST SOME OF OUR SERVICES

- Installation of our optimised screens for pulp presses
- Repair, maintenance and optimisation of spindles for pulp presses
- Surveying for custom-fit spare parts
- Emergency screens if damaged during the campaign
- Repair of damaged screens
- Transmission maintenance and repair
- Advice to improve processes through optimised spare parts
- A variety of on-site services





SPINDLE REDESIGN

The longer a screw press operates the more signs of wear there are on flights of the screw - the dewatering performance decreases progressively and it can lead to blockages. For worn spindles, which are difficult to access due to local conditions or can only be removed at considerable expense, ANDRITZ offers an attractive solution: complete repair and upgrade with the mobile OSR unit. Old and large screw presses are modernised by this flexible on-site repair and subsequent adaptation with wear protection so that they can provide a consistently high performance again.

OSR UNIT FOR ON-SITE REPAIR OF SCREW PRESSES

The ANDRITZ on-site service eliminates the hassle of removing and installing the screw press spindles and eliminates the need for a replacement shaft. Expensive costs and time-consuming transportation are saved. Compared with conventional repairs, downtime is reduced by about 20%. The service life of the spindle can be further increased if the shaft is equipped with complete wear protection from ANDRITZ during the repair. After conversion to complete screw protection, you can repair it by yourself by replacing the wear shoes.

SPINDLE OPTIMISATION WITH ANDRITZ WEAR SHOES

The wear shoes have been optimised for the three press zones of the screw press. A patented carbide alloy for the high pressure zone reduces wear and provides stability. This leads to less wear and lower maintenance. The wear shoes of the medium pressure zone are coated with a patented special alloy. The low pressure zone is protected by hard edged steel rings. The economically optimised concept not only increases the service life of the screw press, but also maintains its performance.

SHAFT COATING FOR SCREW PRESSES

ANDRITZ has developed a special shaft coating that is highly resistant to wear and guarantees an optimum surface (which does not entail any adhesion to the worn shaft). The result: constant dewatering performance and longer service intervals. The coating is applied to specific plates which are welded to the surface of the shaft. This makes it easy to replace the section when worn. For this upgrade, removal of the shaft is not necessary!



SPINDLE DISASSEMBLY AND ASSEMBLY

In addition to spindle optimisation and reworking, ANDRITZ also offers complete replacement including disassembly of your old spindle as well as installation of your new ANDRITZ spindle. So you get a complete all-round service from a single source. We guarantee a smooth commissioning of your screw press, because the acceptance is on site together with our service experts.





INVENTORY AND ASSESSMENT BEFORE THE START OF NEW CAMPAIGN

To maximise revenue and minimise losses, your campaign should run as smoothly as possible. We ensure that your pulp press delivers maximum performance without incidents and maintenance breaks. We check your pulp press before the campaign starts, replace your defective screens on site or recommend suitable products for maximum dewatering performance. In the discussion with our experts you will learn how to maximise revenue and save energy in subsequent processes.

DISASSEMBLY AND INSTALLATION OF YOUR SCREENS

In addition to advising on optimising the dewatering performance of your pulp press, we also take care of disassembling the old screens and installing new ANDRITZ press screens. We also offer you matching mounting bars, which should always be exchanged during a replacement.



WHEN TO HAVE YOUR SCREENS REPLACED

- Screen thickness reduced due to wear
- The screens buckle between the support ribs
- Blocked screen holes due to metal or other foreign materials
- Dry mass content too low

FURTHER INFORMATION AND THE REQUEST FORM WITH YOUR PRESS LAYOUT CAN BE FOUND ON OUR HOMEPAGE



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