



# STARCH YIELD OPTIMIZATION WITH HIGH-PERFORMANCE COMPONENTS

ANDRITZ wedge wire and perforated plates

**ANDRITZ**

Rising energy costs, strict environmental standards, and the demand for sustainable production put starch producers under pressure. To support them, ANDRITZ delivers tailored solutions that boost efficiency, reduce waste, and cut operational costs. As a reliable partner committed to innovation and sustainability, ANDRITZ wedge wire and perforated components are engineered for durability, precision, and high performance to ensure optimal separation, filtration, and dewatering across all critical starch processes. From rasping to drying, ANDRITZ technologies maximize yield and minimize downtime. ANDRITZ also offers expert support, upgrades, and screen optimization to keep operations running at peak.



**WHEAT**  
60-80% STARCH



**CORN**  
50-60% STARCH



**TAPIOCA**  
10-30% STARCH



**(SWEET) POTATO**  
10-30% STARCH



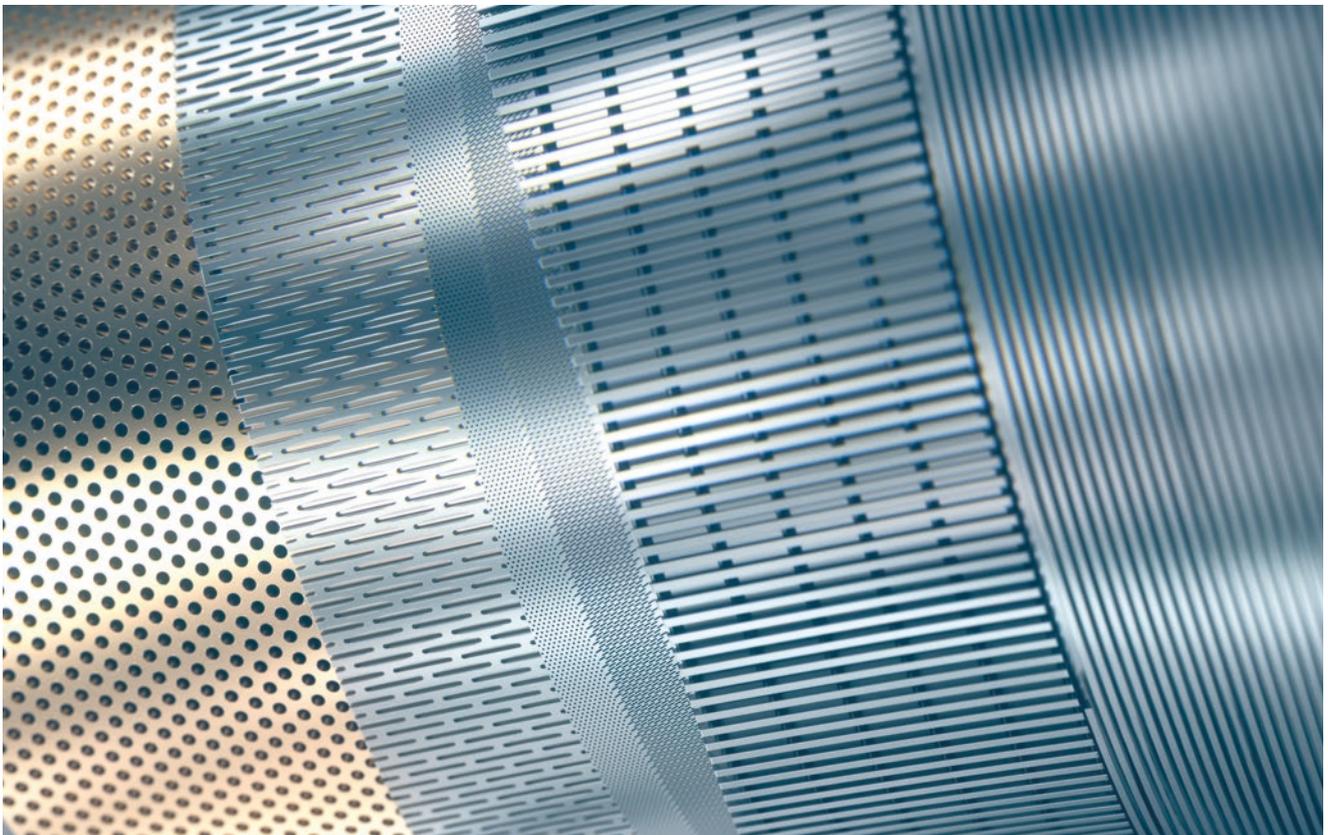
**WATER + PEA POWDER**  
10-30% STARCH

# Smart filtration solutions for all starch origins

Starch production is as diverse as its sources—ranging from sweet potatoes, tapioca, wheat, corn, and sorghum. Each origin presents unique processing challenges, from fiber separation to drying, all under pressure from rising energy costs and sustainability demands.

ANDRITZ delivers precision-engineered components for every stage of starch production:

- **Washing:** Wedge wire and perforated drums ensure effective separation of fibers and foreign substances, improving product purity and reducing downtime.
- **Grinding, rasping and slicing:** Refiner and disperser plates for corn wet milling, rasper screens, and ConiPerf hammer mill screens offer robust performance and consistent particle sizing.
- **Steeping, storage and vessel internals:** Conical outlet screens (wedge wire) for steeping tanks, support grids, laterals, distributors, collectors, and nozzles ensure reliable flow and structural integrity.
- **Filtration, separation and dewatering:** From DSM and gravitary bend screens to centrifugal and paddle screens, ANDRITZ provides products and solutions that optimize separation and maximize yield. Our screw press baskets, separator drums, rotary strainers, and inline safety filters ensure clean, efficient processing.
- **Drying:** Fluid bed dryers equipped with ConiPerf, perforated, and wedge wire plates deliver energy-efficient drying with uniform airflow and minimal product loss.



# All filtration options from one trusted source

In starch production, precision and reliability are non-negotiable. ANDRITZ delivers both wedge wire and perforated plate solutions from a single source—ensuring seamless integration and maximum efficiency.

Choosing one partner for all your filtration needs simplifies operations, guarantees consistent quality, and optimizes every stage of starch processing.

## ALL PRODUCT OPTIONS FROM A SINGLE SOURCE

### DRILLING TECHNOLOGY

- 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)

### 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

### MILLING TECHNOLOGY

- 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

### YOUR BENEFITS

- Complete process coverage – Solutions for washing, steeping, grinding, drying, and more
- Consistent quality – Uniform standards for precision and durability across all components
- Simplified procurement – One supplier for all technologies reduces complexity and downtime
- Expert support – Holistic process optimization and tailored service for peak performance

### ConiPerf

- Triangular or slot perforation
- Smoothed or polished
- Screen openings from 0.06 mm, sheet thickness up to 1.5 mm

### PUNCHING TECHNOLOGY

- Round, long or special perforations
- From 0.4 mm hole diameter, sheet thickness up to 20 mm
- Wide range on different materials, such as Duplex, Hardox, etc.

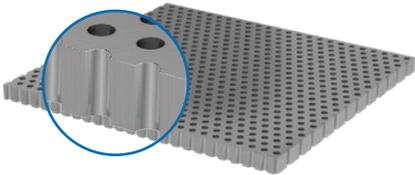
### EMBOSSING TECHNOLOGY

- Wide range of different types available
- Special geometries on request
- For decorative and process specific purposes

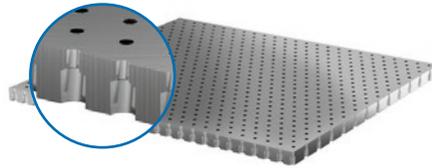


# Overview of slots, holes and embossing types

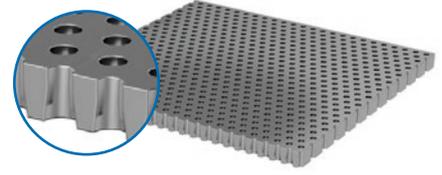
## DRILLING TECHNOLOGY



Cylindrical profile drilled

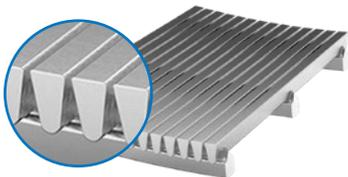


Bi-cylindrical profile drilled

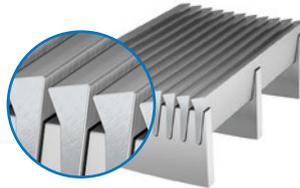


Cylindrical-conical profile drilled

## WEDGE WIRE SCREEN TECHNOLOGY

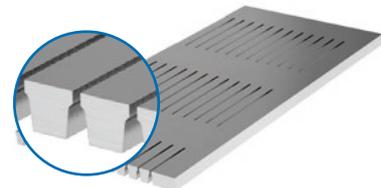


Welded profile wires with support rods, resistance-welded structure.



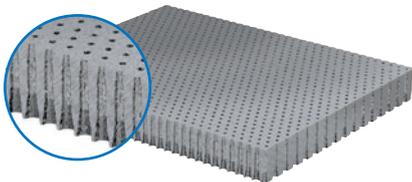
BAR-TEC. Plugged-in profile rods, highly stable design with supporting rings

## MILLING TECHNOLOGY



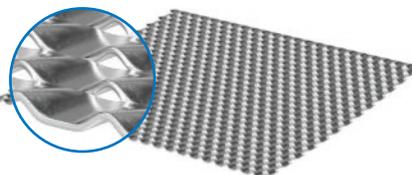
Milled slots, parabolic profile

## MICRO-PERFORATION

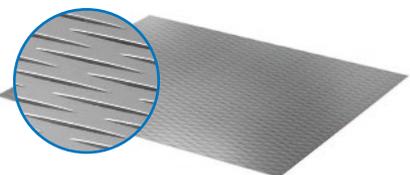


Openings from 0.05 mm

## ConiPerf

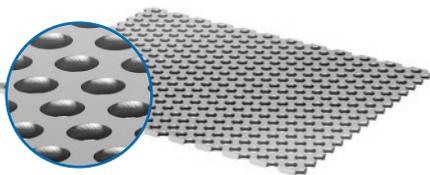


Triangular perforation

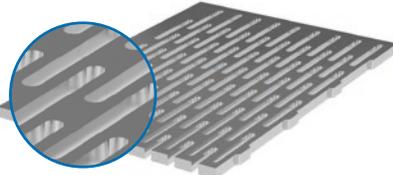


Slotted perforation

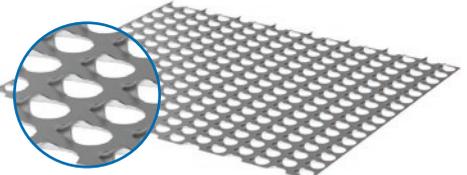
## PUNCHING TECHNOLOGY



Round perforation, punched, e.g.  $\varnothing$  1.5 mm, pitch 2 mm, in stainless steel 1 mm thick

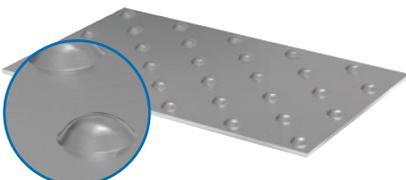


Slotted perforation, punched, e.g. 1.4 mm slot, width, in stainless steel 3 mm thick

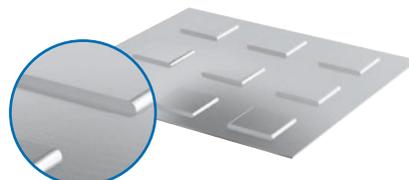


Rasp perforation, various geometries available

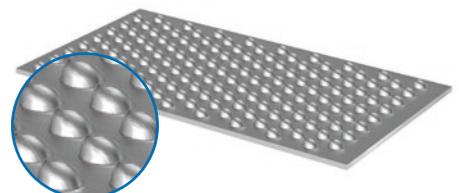
## EMBOSSING TECHNOLOGY



Decorative embossing in stainless steel



Decorative embossing in aluminum



Trieur embossing

# Efficient cleaning starts with advanced washing solutions

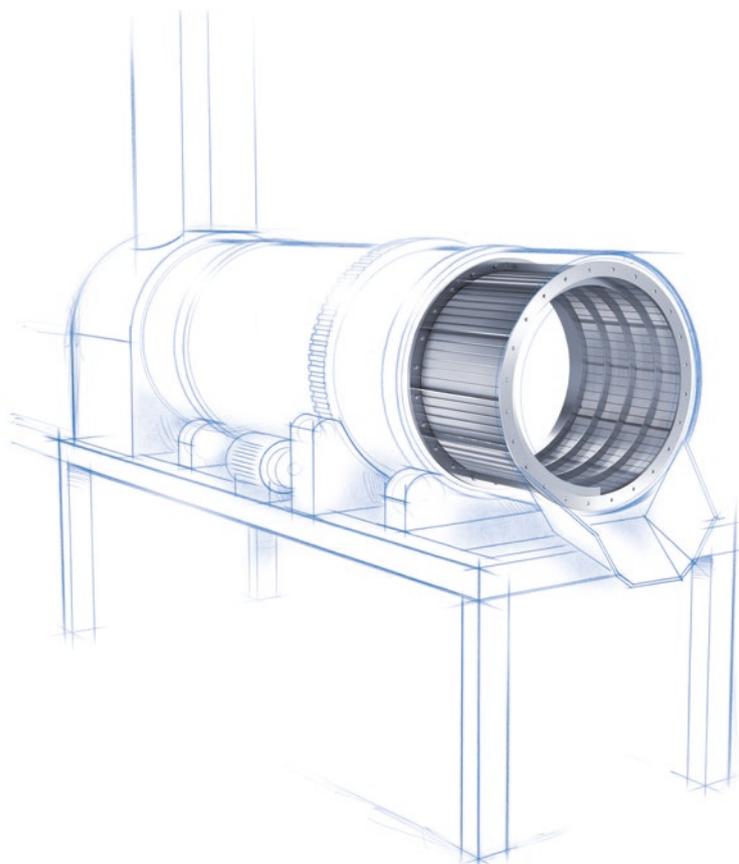
In starch production, washing is more than just a step—it's the foundation of product quality. Efficiency, reliability, and durability are essential to ensure clean separation and consistent output. ANDRITZ understands these demands and delivers cutting-edge filtration technology designed to elevate your washing process.

ANDRITZ wedge wire drum filters are engineered to meet the rigorous demands of washing processes. Built with extra-hardened materials, they offer exceptional durability and long service life, minimizing downtime and reducing replacement costs.

These state-of-the-art washing drums ensure efficient removal of sand and foreign substances, helping you maintain high product purity while optimizing operational performance.

## YOUR BENEFITS

- Reduced maintenance and operational costs
- Improved washing efficiency and throughput
- Sustainable, long-lasting filtration technology



Wedge wire drum filter for starch washing





### WEDGE WIRE SCREEN DRUM FILTERS

Wedge wire screen drums can be used both for washing of the raw material, 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.

- Low blockage tendency
- For filtration of fibres from 100  $\mu\text{m}$  and up
- Low maintenance
- Wide range of profile wire geometries and materials
- High slot width accuracy for the best process results



Drum filter, filtration direction from outside to in



Drum filter, filtration direction from inside to out

# Precision in every cut with dispersing, grinding, rasping, and slicing solutions

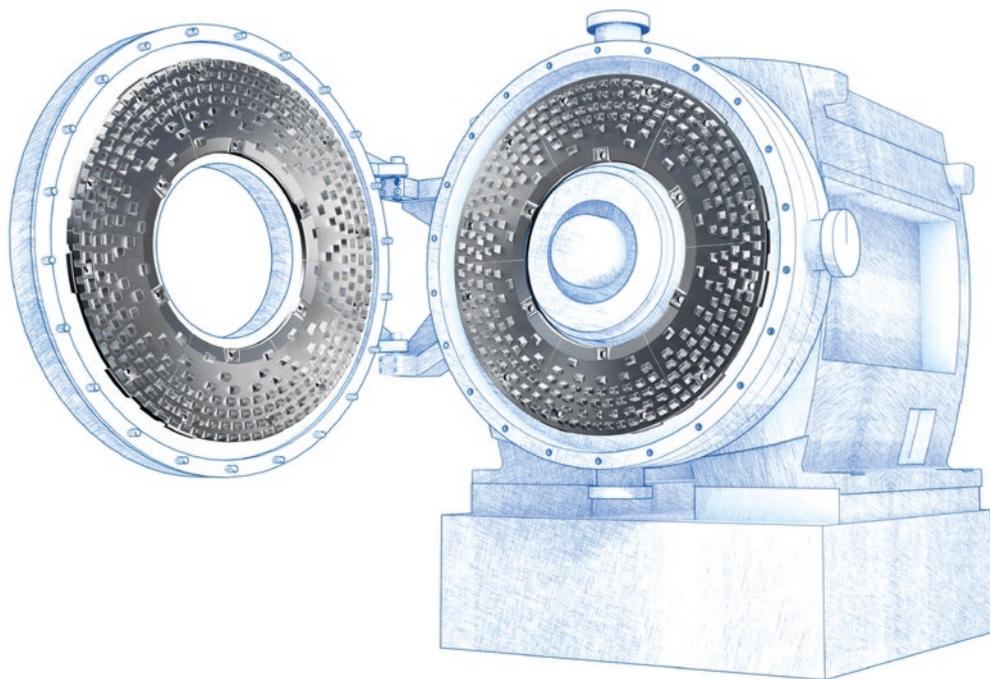
In starch processing, dispersing, grinding, rasping, and slicing are key to unlocking optimal yield and consistent quality. These mechanical steps must be precise, reliable, and efficient to ensure smooth downstream operations. ANDRITZ delivers high-performance components designed to meet the toughest demands of starch producers worldwide.

ANDRITZ portfolio includes hammer mill screens, refiner/disperser plates, and rasper plates, all crafted from extra-hardened materials for maximum durability and minimal maintenance and designed to integrate seamlessly with all major OEM machines.

Whether you're processing corn, wheat, potato, or tapioca starch, ANDRITZ components are built to perform under pressure. With advanced technology and deep industry expertise, we streamline your mechanical preparation processes and boost productivity.

## YOUR BENEFITS

- Consistent particle size and product quality
- Reduced wear and extended service life
- Lower maintenance and downtime
- Improved operational efficiency



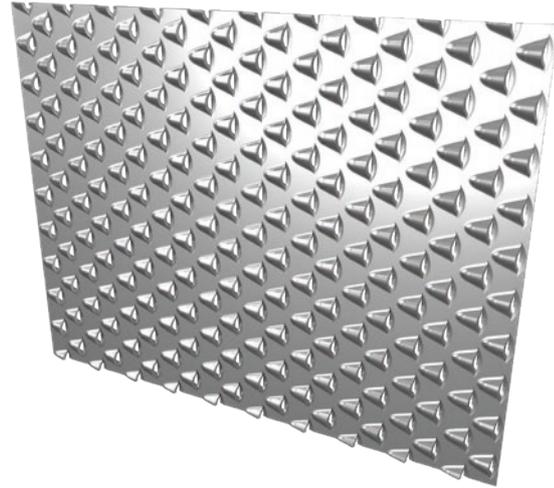
Disperser plates for corn wet milling



### **REFINER / DISPERSER PLATES FOR CORN WET MILLING**

Our refiner and rasper plates are designed for preparation of starch fibers, ensuring optimal starch extraction and processing efficiency, in dispersing step.

- Energy-efficient solution
- Improved fiber quality
- Extended product life



### **HAMMER MILL SCREEN ConiPerf**

Our hammer mill screens, crafted from ConiPerf, are engineered for precise and efficient grinding, ensuring optimal particle size reduction and processing effectiveness. Designed to meet the rigorous demands of various industries, these screens play a crucial role in achieving consistent product quality and operational efficiency.

- ConiPerf for special processes
- Improved throughput
- Consistent particle size



### **RASPER SCREEN**

Crafted with precision, our rasper screens excel in efficient grinding, optimizing particle size reduction and boosting processing performance. Engineered to cater to the demanding needs of diverse industries, these screens are essential for ensuring consistent product quality and improving operational efficiency.

- Enhanced durability
- Improved throughput
- Consistent particle size

# Precision filtration for optimal starch yield, elevating steeping processes

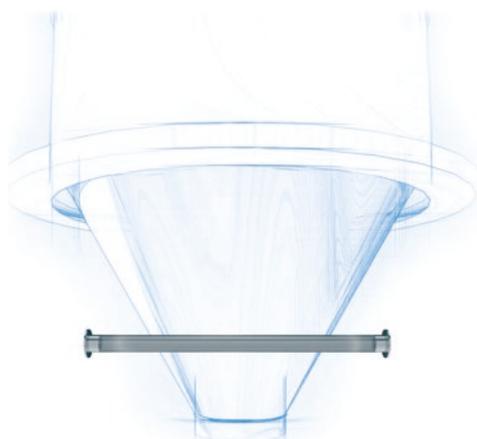
In starch manufacturing, the steeping process sets the foundation for quality and efficiency. From softening grains to extracting valuable components, every step depends on clean water, consistent flow, and reliable separation. ANDRITZ delivers high-precision filtration components that ensure your steeping tanks operate at peak performance—maximizing yield, minimizing waste, and reducing maintenance.

Steeping is the critical first phase in wet milling, where grains like corn are softened to release starch. The success of this process hinges on the quality of the steeping environment—especially the filtration systems within the tank.

ANDRITZ filtration components are designed to optimize the steeping process by ensuring clean liquor, consistent water distribution, and efficient separation. This results in improved starch purity, reduced waste, and enhanced sustainability.

## YOUR BENEFITS

- Clean steep liquor for higher starch purity
- Uniform water distribution to avoid dead zones
- Efficient separation of solubles to reduce waste
- Enhanced sustainability through optimized processing



Wedge wire outlet screen or steeping outlet screen, the two most common technologies in use



### WEDGE WIRE OUTLET SCREEN

Our advanced outlet screens for steeping tanks, made of wedge wire, are engineered for unmatched accuracy. These screens ensure a plugging-free filtration process, significantly reducing maintenance needs and enhancing operational efficiency in starch production.

- Precise slot widths
- Sturdy construction
- No plugging due to V-shaped wires



### STEEPING OUTLET SCREEN

Our basic steeping outlet screens are designed to fulfill the main function of steep tank processing, meaning keeping the grain from exiting the vessel while offering a good dewatering and a good mechanical resistance with the loading and unloading of the grain.

- Precise slot width
- Steady construction
- No plugging due to V-shaped wire

# Decolorization and decalcification for premium starch quality

In starch manufacturing, purity is everything. The decolorization and decalcification stages are essential to achieving a high-quality, functional starch product. ANDRITZ provides precision-engineered filtration and separation components that ensure optimal removal of pigments and minerals – delivering consistent results, reduced waste, and enhanced product performance.

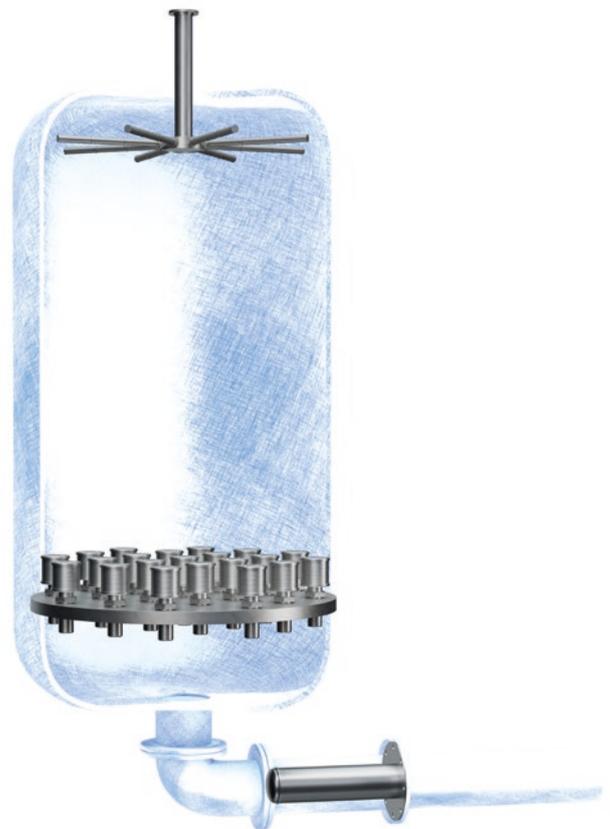
To meet the demands of food, pharmaceutical, and industrial applications, starch must be free from unwanted color and mineral content. This is where decolorization and decalcification play a vital role—two essential processes that refine starch to its purest form.

Decolorization focuses on removing natural pigments using chemical agents such as hydrogen peroxide or sodium hypochlorite. ANDRITZ supports this process with high-performance filtration systems, including vacuum filters and centrifuges, which ensure efficient separation of bleached starch from residual chemicals and by-products.

Decalcification, meanwhile, targets excess calcium and other minerals that can negatively impact starch viscosity and gelatinization. Through the use of ion exchange columns and acid reactors, ANDRITZ components enable precise mineral removal while maintaining safety and process efficiency.

## YOUR BENEFITS

- Exceptional precision for pigment and mineral separation
- Robust design for long-term durability and minimal maintenance
- Engineered performance for consistent, high-quality starch output



Starch purity through precise pigment and mineral removal



### DISTRIBUTORS/COLLECTORS (HEADER AND LATERALS)

A collector/distributor uses a header pipe or a hub to which several screen tubes are attached. They enable excellent collection or distribution of liquid within a medium without wall effects or channeling in order to maximize efficiency. Each lateral can be mounted on perforated pipes in order to optimize both mechanical resistance as well as efficiency with calibrated holes.

- Optimized for each type of application
- Strict slot width tolerances
- High efficiency

### ION EXCHANGERS

Ion exchangers are crucial in the starch industry for refining and purifying starch by removing impurities and minerals. They enhance product quality by ensuring consistent properties, such as viscosity and color, through efficient ion removal, thus optimizing the starch for various industrial applications.

- High precision wedge wire component
- Ensures a high-quality end-product
- Continuous process through optimized V-wires



### RESIN TRAPS

Resin traps are safety devices which prevent the infiltration of resins and solids into the pipe system. They are often used in ion exchangers and activated carbon systems, and protect the downstream equipment like pipe systems, pumps, and heat exchangers. ANDRITZ resin traps have a very high slot width accuracy and a permanent availability for a non-disruptive process.

- Fine filtration as low as 50µm
- Anti-clogging surface
- Suitable for heavy-duty applications

### NOZZLES

Nozzles filter liquid or gas while retaining the filtration medium (sand, catalyst, resin, zeolite, activated charcoal, etc.). Nozzles constitute an excellent economic compromise in combining the benefits of a completely welded structure to withstand very high stress while providing an anti-clogging surface and excellent corrosion resistance.

- High open area for an optimized filtration cycle
- No maintenance needed
- Very strong construction

# Carbon columns and internals, essential for high-purity starch

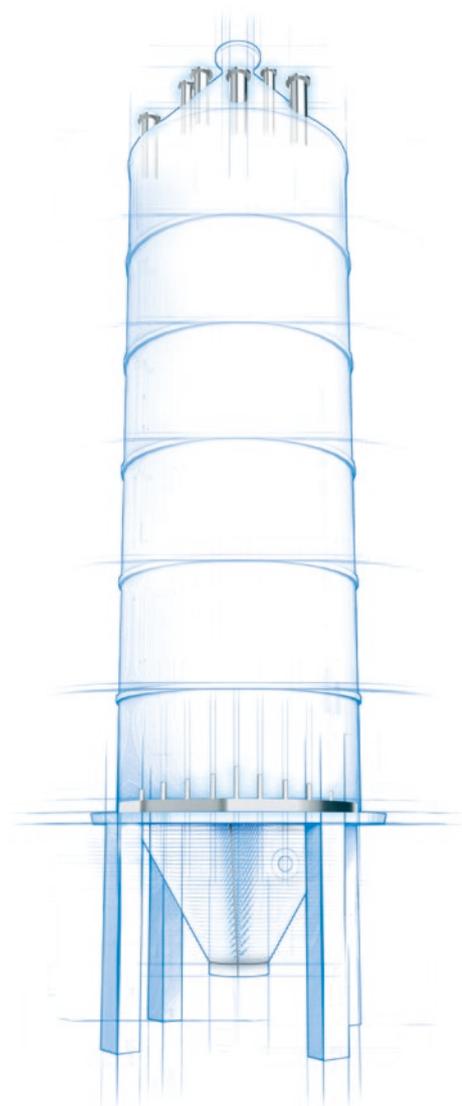
In starch production, purity and consistency are non-negotiable. Carbon columns play a vital role in refining and purifying starch by removing unwanted colors, odors, and impurities. ANDRITZ offers high-quality internals and filtration components that ensure optimal performance, helping starch producers meet the highest standards in food and industrial applications.

Carbon columns are a key component in the starch refining process, using activated carbon to adsorb pigments, odors, and other impurities from the starch slurry. Their effectiveness depends on maximizing contact between the starch solution and the carbon surface. ANDRITZ designs filtration components that enhance this interaction, ensuring efficient contaminant removal and consistent product quality.

Support structures such as precision-engineered grids are critical to maintaining uniform flow and preventing channeling, which can compromise filtration efficiency. ANDRITZ's internals are built to ensure maximum contact time and optimal flow distribution, resulting in a cleaner, more refined starch product.

This purification step is especially important in food-grade starch production, where appearance, taste, and functionality are essential. By reducing the impurity load, carbon columns also improve the efficiency of downstream processes.

With decades of experience, ANDRITZ is a trusted partner in delivering robust, high-performance internals for carbon columns—combining durability, precision, and process reliability.



Support grid and septa screens installed in a carbon column



### SEPTA SCREENS

Septa screens are vital components in the starch industry, designed for precise separation and filtration tasks. They are used to effectively remove fine impurities and ensure the purity of the syrup by capturing unwanted particles, thereby enhancing the quality and consistency of the final starch product and optimizing processing efficiency.

- Efficient particle filtration
- Engineered for purest end-products
- Optimized process



### SUPPORT GRIDS

Support grids are used in reactors and absorbers to support the bed of catalysts, molecular sieves or absorber medias. ANDRITZ complies with all international design codes. They are designed to meet:

- Great bearing loads with the smallest slots
- Process reliability
- Fine slots and tight sealing
- Longest possible service life

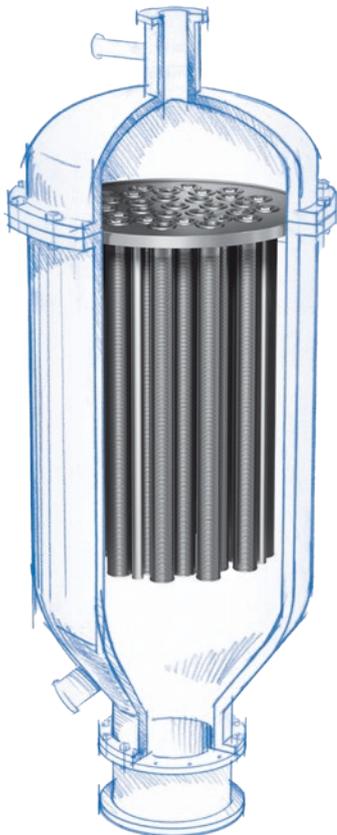


ANDRITZ makes sure all products fit 100% and fulfill application's demand in slot accuracy

# Versatile filtration solutions beyond the basics

ANDRITZ goes beyond steeping, decolorization, and carbon columns, offering a broad portfolio of filtration equipment tailored to your specific needs. From eco and polishing filters to rotary strainers and custom-built components, we deliver precision and reliability at every stage of starch production.

In addition to core filtration systems, ANDRITZ provides a wide range of specialized filters designed to meet diverse process requirements. Whether you need eco filters, police filters, rotary strainers, or custom solutions based on your own drawings—drilled, punched, microperforated, or wedge wire—ANDRITZ is your trusted partner for filtration and separation. With decades of expertise and a commitment to quality, we help you achieve optimal performance across your entire production line.



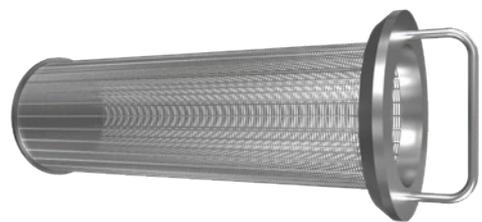
Automatic backwash candles filter



## CANDLES FOR AUTOMATIC BACKWASH FILTER

Candle filters are used in the preparation of process water, as well as to filtrate beverages or viscous products. In order to attain a consistent final product, very precise slot widths are mandatory.

- Perfect circularity for a perfect final product
- Very precise slot widths
- Adaptable to fit your process



## SELF-CLEANING BACKWASH FILTER

The self-cleaning backwash filter is an efficient solution for removing unwanted particles in paint and pigment production. Its automatic backflush cycle ensures continuous filtration, reducing downtime and maintenance while maintaining high process reliability and product quality.

- High open area for maximum flow
- Less clogging filter media due to V-shaped profile wires
- Easy to clean and less maintenance effort



#### **ROTARY STRAINERS ConiPerf**

Rotary strainers are used for continuous and efficient separation of coarse materials from starch slurry. They enhance process efficiency by ensuring consistent flow and effective removal of large particles, which is crucial for maintaining product purity and protecting downstream equipment.

- Available as a wedge wire, ConiPerf and drilled version
- Low plugging wedge wire version due to V-shaped wire
- Very precise hole openings for perfect filtration results



#### **ROTARY STRAINER WITH BI-CYLINDRICAL HOLES**

Rotary strainers are essential in the starch industry for efficiently screening and separating coarse materials from starch slurry. They enhance the purity of starch milk by removing fibers and large particles, ensuring smoother downstream processing and improving the overall efficiency and quality of starch production.

- Highest precision screening
- High open area for efficient filtration
- Made to fit all rotary strainers



#### **ECO FILTER / FILTER BASKET**

Filter baskets are essential in the starch industry for efficient and reliable filtration. They effectively capture impurities, ensuring high-quality starch production while being designed for easy maintenance and durability, thus supporting operational efficiency and consistent product quality.

- High durability construction and materials
- Large open area for more efficient filtration
- Can be manufactured on demand for many processes

# Filtration, separation and dewatering: Precision in every step

In starch production, achieving purity and consistency is essential. Filtration, separation, and dewatering are key processes that define the quality of the final product. ANDRITZ delivers advanced, high-performance solutions that optimize these stages—ensuring efficiency, reliability, and superior starch quality.

ANDRITZ offers a comprehensive range of technologies designed to meet the demanding standards of the starch industry. Our state-of-the-art screens—including DSM, centrifugal, omega, paddle, and gluten screens—are engineered for precision and durability, ensuring effective separation and minimal maintenance.

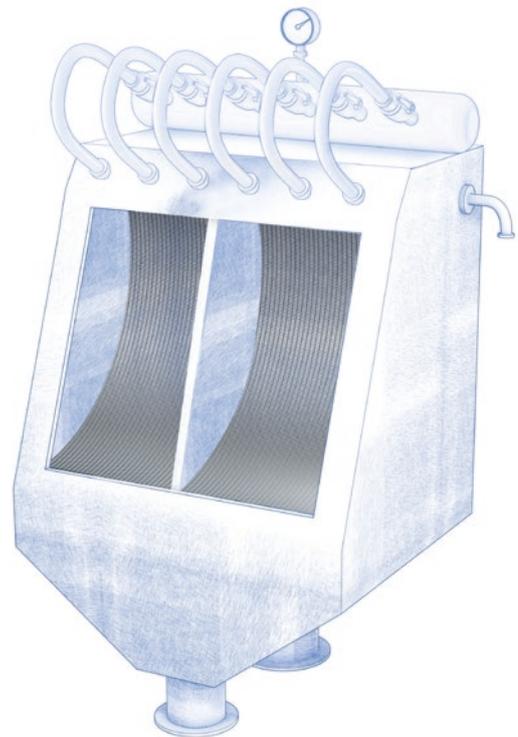
For dewatering, our separator baskets and screw press baskets efficiently remove moisture, improving starch usability and shelf life. Manufactured using advanced techniques such as wedge wire, ConiPerf, drilled, and

punched processes, our components guarantee long-lasting performance under rigorous conditions.

With decades of expertise and a commitment to innovation, ANDRITZ helps starch producers enhance product quality and streamline operations.



Static screen equipped with gravity bend screen



Separation pressure equipment equipped with DSM sieves



### **GRAVITARY BEND SCREENS**

Our 120° bent sieves are crucial for efficient and precise separation processes. Their unique design enhances flow distribution and maximizes surface utilization, ensuring optimal filtration and improved starch quality by effectively removing impurities and fine particles.

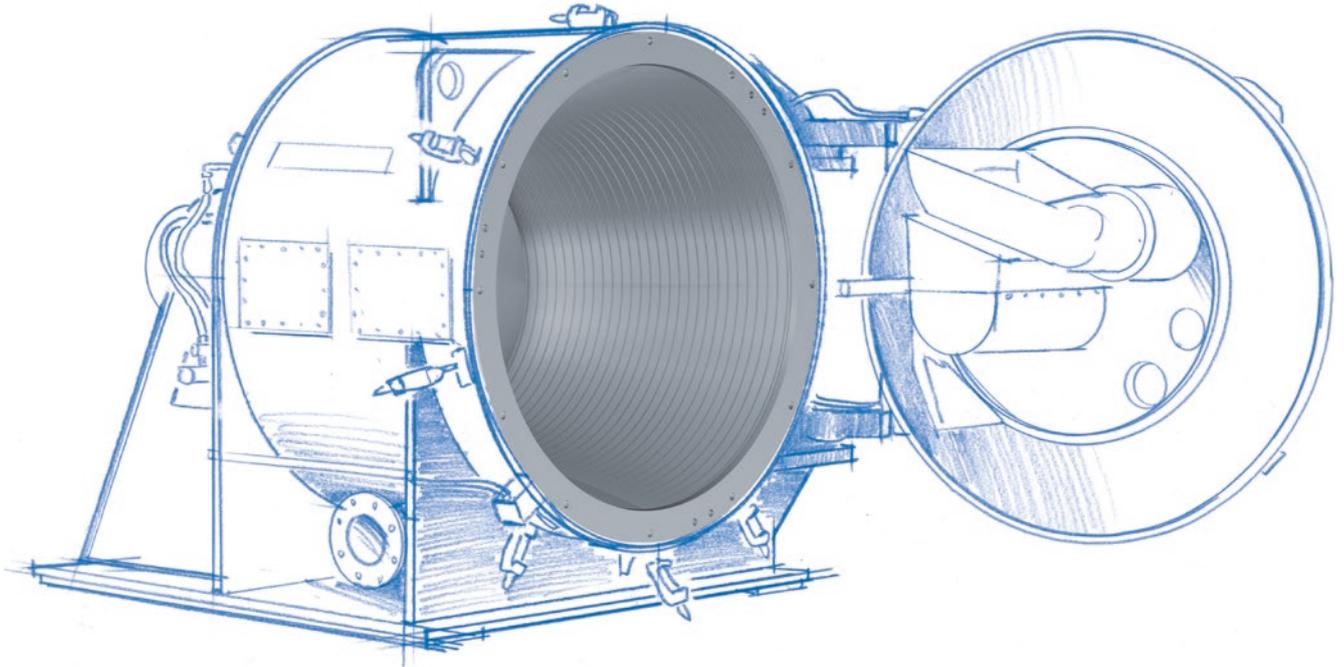
- No plugging due to V-shaped wires
- Highly resistant due to very robust steel alloy
- Matches all OEM machines



### **DSM SIEVES (PRESSURE FED)**

DSM sieves are vital in the starch industry for their precision and efficiency in separating starch from impurities. Their robust design ensures high durability and minimal maintenance, making them essential for achieving consistent, high-quality starch production through effective filtration and separation processes.

- No plugging due to V-shaped wires
- Highly resistant due to very robust steel alloy
- Longer lifetime due to interchangeable sides



### **CENTRIFUGAL SCREENS**

Centrifugal screens are crucial for their high-efficiency separation capabilities. Utilizing centrifugal force, they effectively remove fine impurities and separate starch from gluten, ensuring a superior quality end product with minimal maintenance and optimal operational efficiency.

- Support basket punched or cut, inlay basket in wedge wire or ConiPerf (ConiPerf can be welded or supplied in segments)
- Wear-resistant alloy
- Perfect filtration due to precise holes or slots



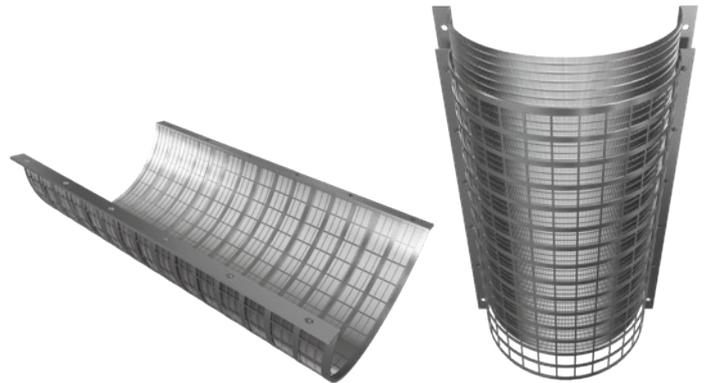
**BACKUP BASKET  
WITH WEDGE WIRE INSERT**



**ConiPerf**



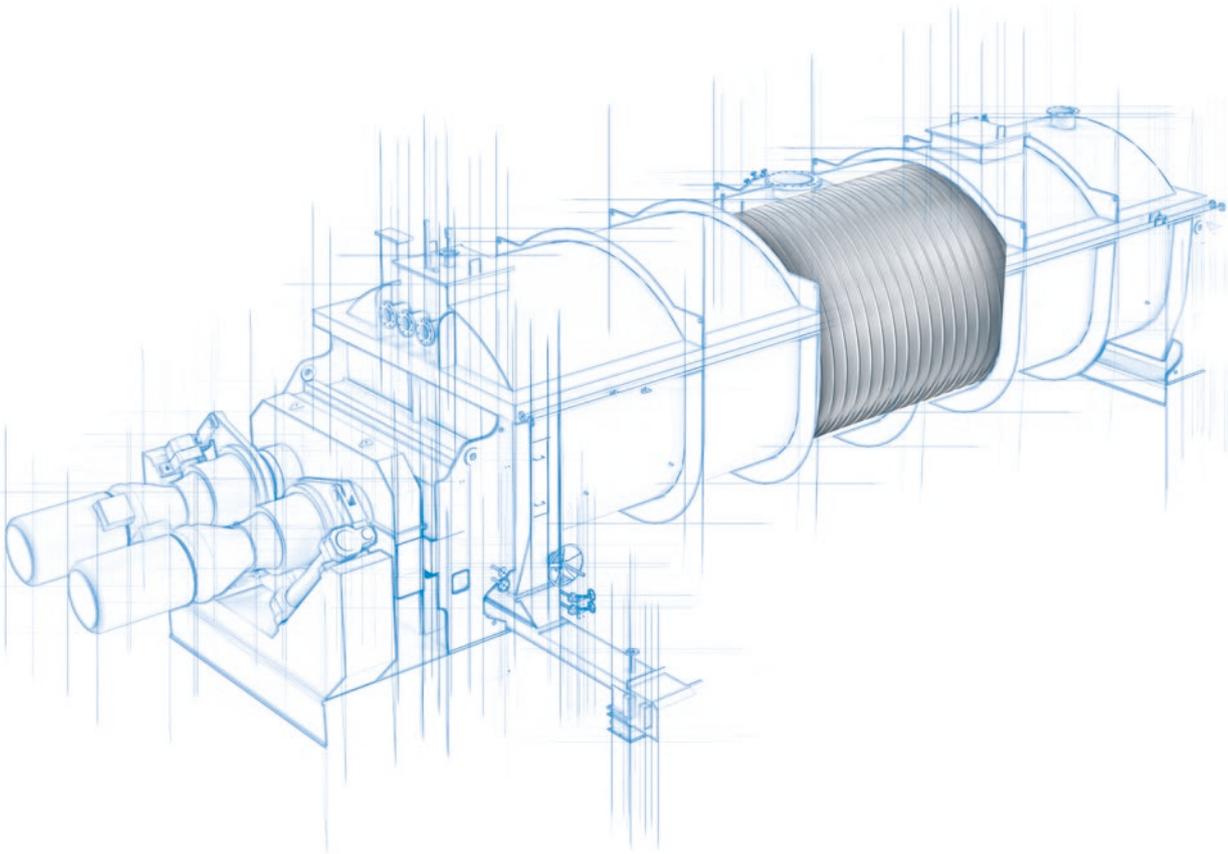
**WEDGE WIRE**

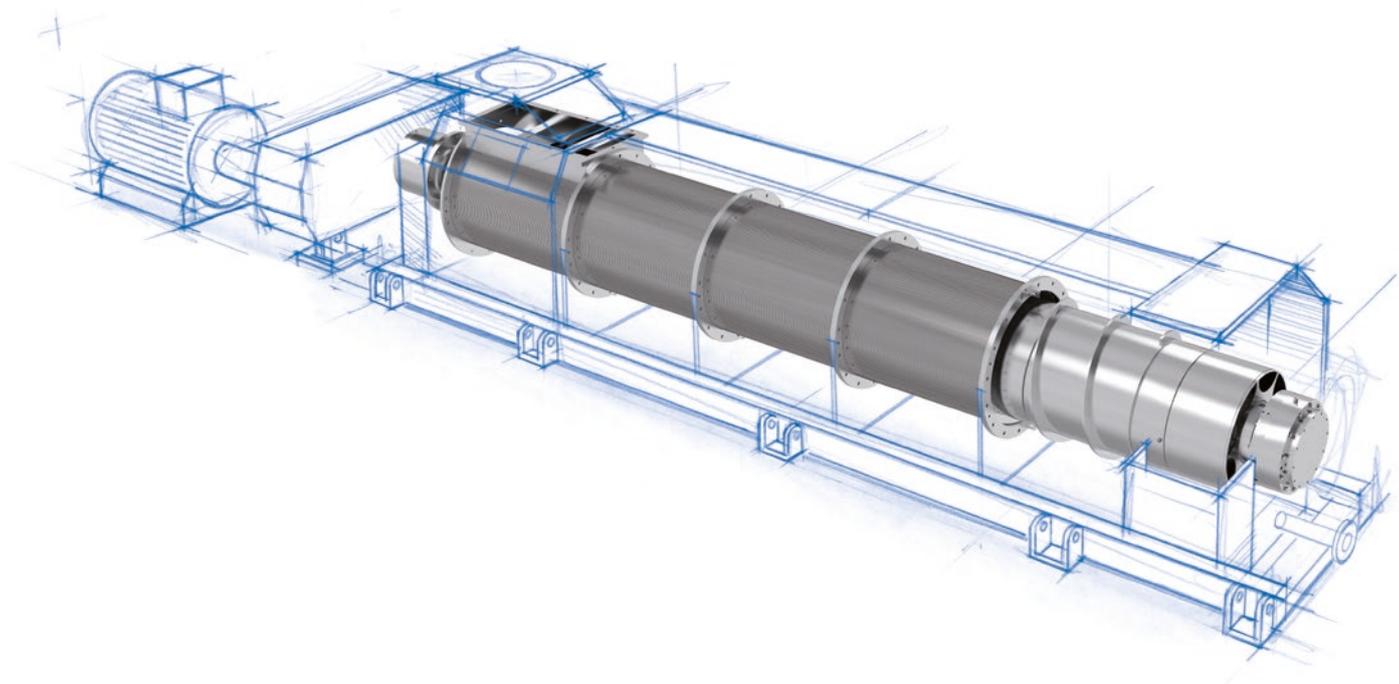


### **GLUTEN, OMEGA AND PADDLE SCREENS**

Gluten, omega and paddle screens are used in the starch industry for efficient separation and filtration of starch from impurities. Precise filtration is crucial for ensuring high-quality starch and optimizing processing efficiency by maintaining product purity.

- No plugging due to V-shaped wires
- Precise filtration for a high-quality end-product
- Optimized for your process





**SCREW PRESS BASKETS**

Screw press baskets are integral to the starch industry for their role in the dewatering process, efficiently removing moisture from fibers. Precise filtration is key to achieving the desired dryness and ensuring high-quality starch, enhancing processing efficiency and product consistency.

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



**WEDGE WIRE SCREW PRESS BASKET**



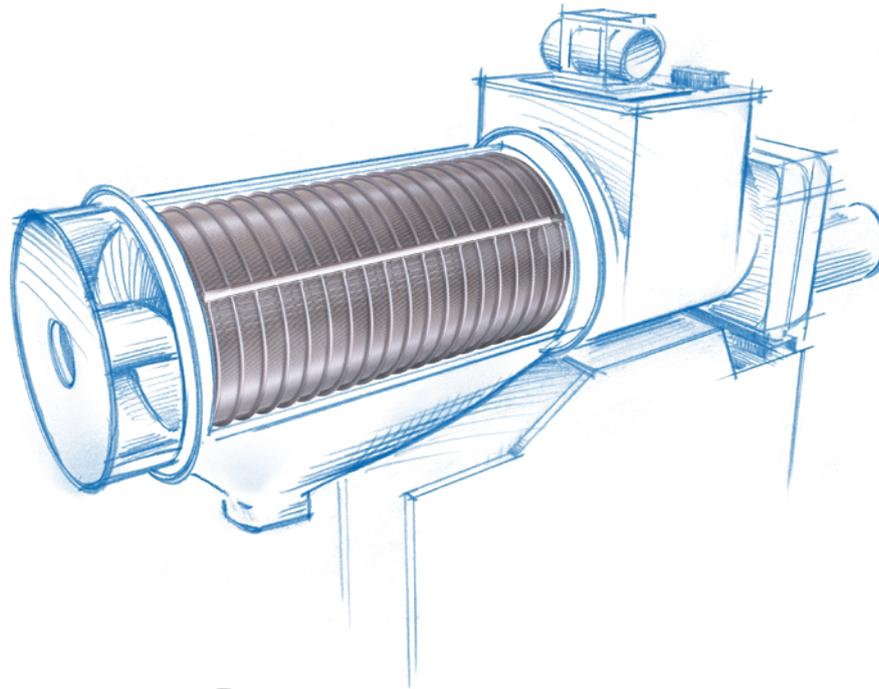
**DRILLED BASKET**



**SCREW PRESS BASKET WITH BACKUP BASKET AND PERFORATED INLAY**



**WEDGE WIRE INLAY SCREEN**



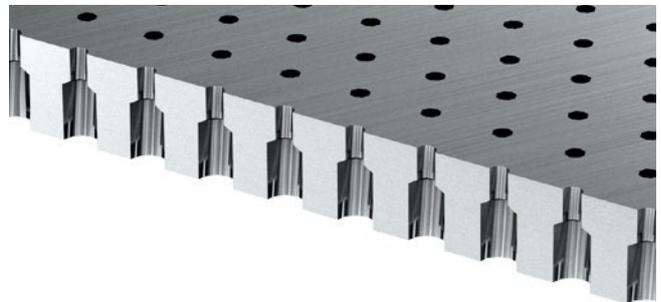
### SEPARATOR BASKETS

Viscous media are processed in screw separators to increase the dry solids content, often reaching up to 35%. As a general rule, the higher the solids content at this stage, the more efficient and less energy-intensive the subsequent process steps become. To support this, ANDRITZ optimized baskets, typically manufactured with a special V shaped profile wire, are engineered to minimize screen clogging and ensure faster, more efficient dewatering.

- Large open area without unperforated zones
- Highly wear resistant materials
- Reduced clogging tendency thanks to the V shaped wire profile
- High dimensional accuracy for optimal fit
- Smooth, polished screening surface with no sharp edges



V-shape profile wire



### DRILLED PRESS SCREENS

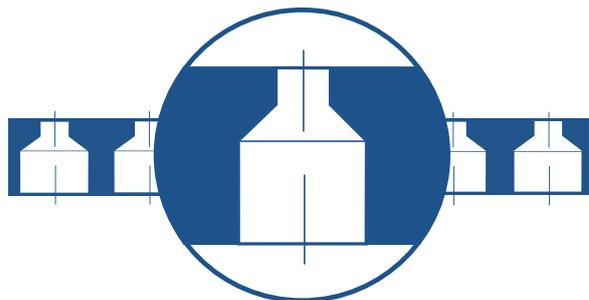
ANDRITZ supplies drilled press screens with a special bi-cylindrical hole for maximum dewatering performance. The different geometries of the drilled holes and the wear resistant duplex material reduce the risk of clogging, deformation and damage under high load, while maximizing dewatering performance, dimensional stability and wear resistance.

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



Bi-cylindrical drilling

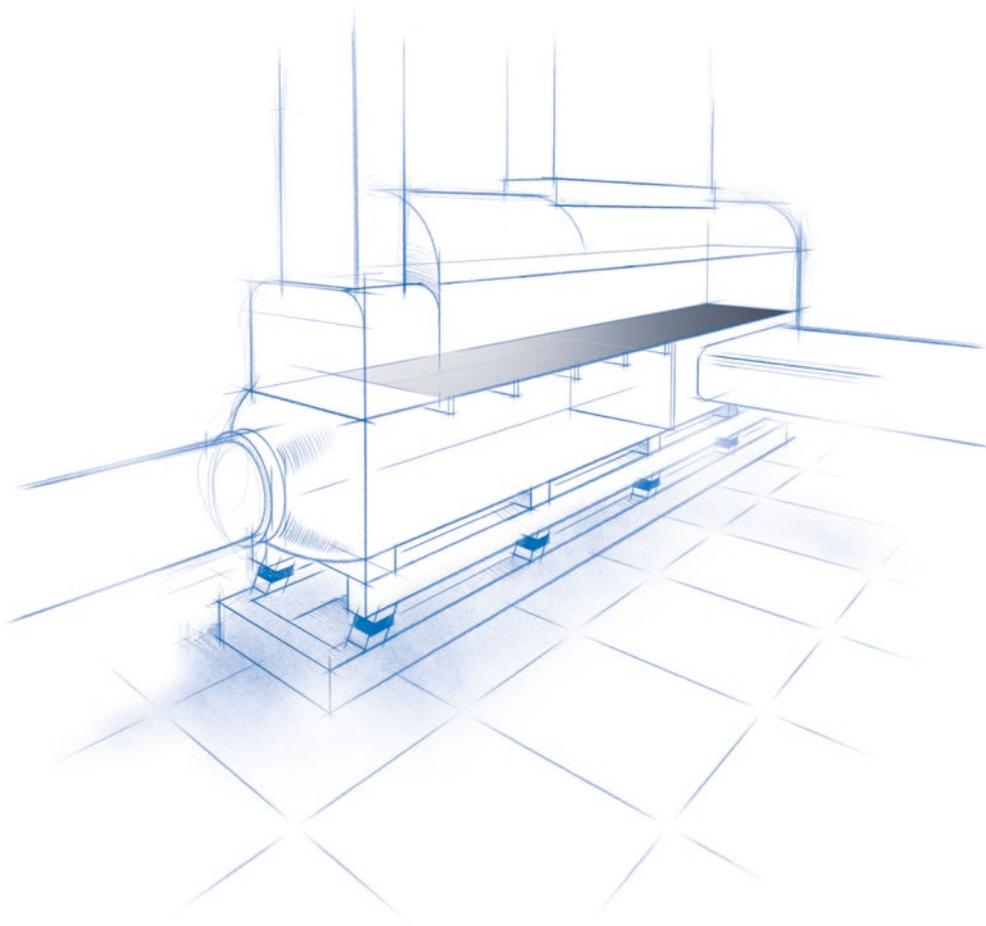
# Tailored screens for every fluid bed dryer

No matter the type of fluidised bed system—vibrating or static—ANDRITZ delivers precision-engineered screens designed to meet your exact process requirements. Our solutions ensure optimal performance, durability, and efficiency across a wide range of drying applications.

ANDRITZ manufactures high-quality screens for all fluid bed dryers, offering punched, drilled, micro-perforated, or ConiPerf designs tailored to your specifications. Each screen is supplied with documented pressure loss values, and flow direction can be defined based on your needs. With ANDRITZ, you benefit from reliable, process-optimized components that enhance drying efficiency and product consistency.

## YOUR BENEFITS

- Process-optimized drying components for all systems
- Total range of production types
- 100% accuracy of fit for ANDRITZ and other OEM systems





### 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.

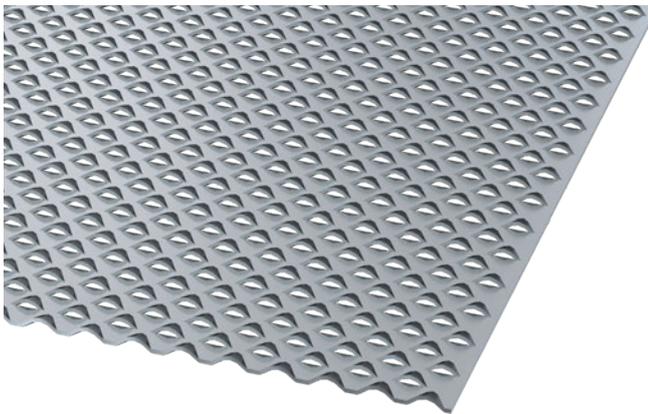
- The finest holes in high material thickness
- Longer life
- Variable perforation possible



### 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.

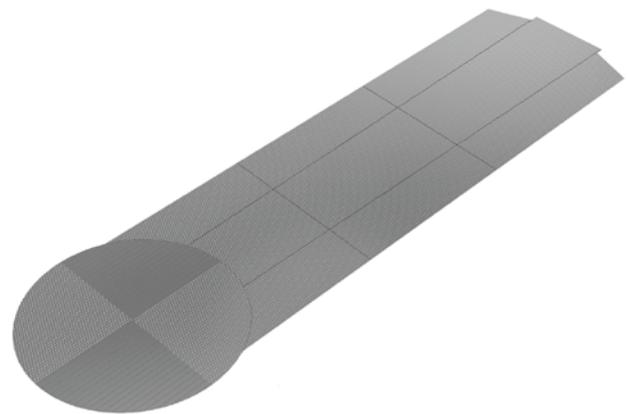
- Cost-effective alternative
- Variable hole diameter possible



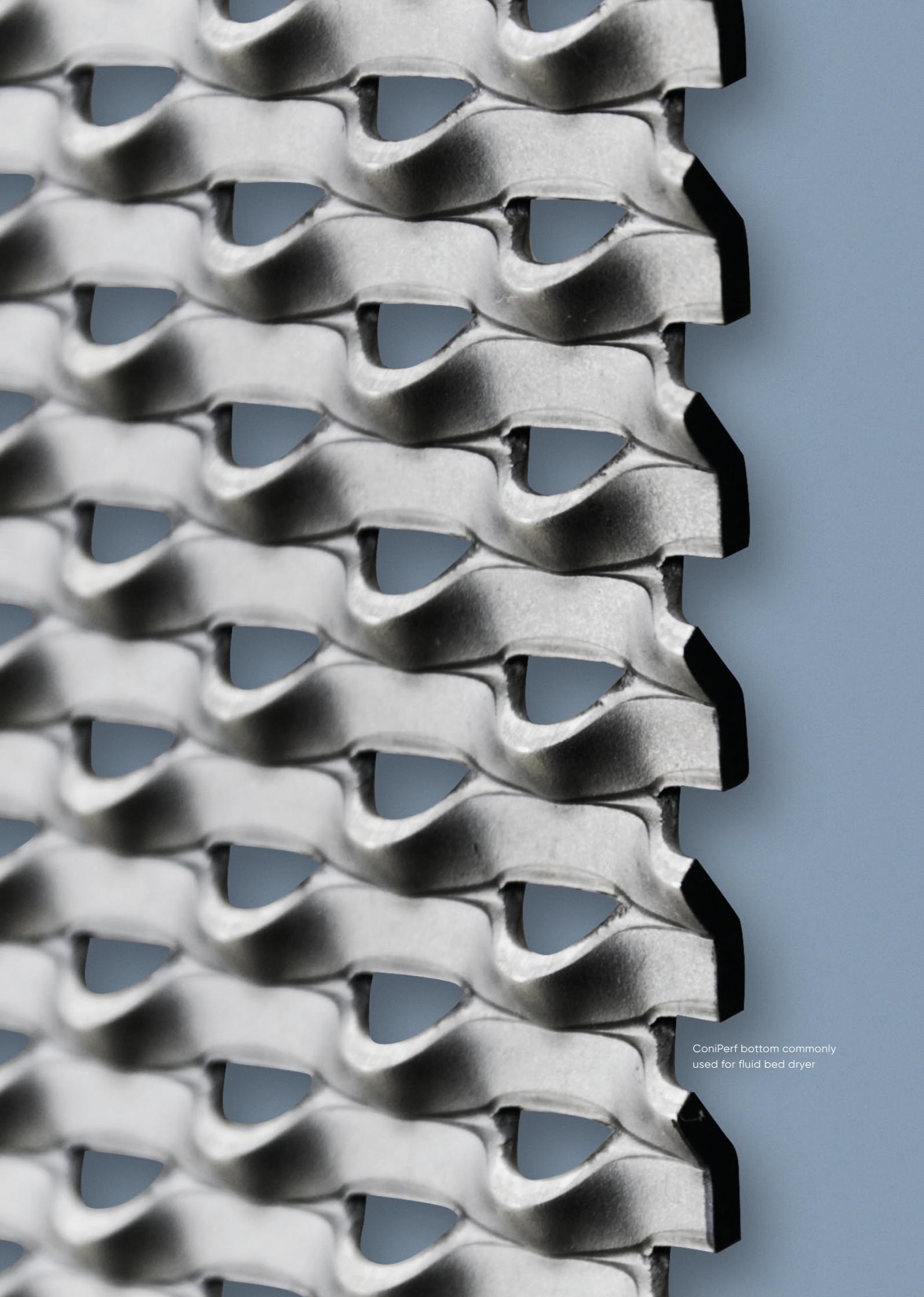
### ConiPerf DRYER FLOOR SCREENS

ConiPerf dryer floor screens are the first choice for all static fluid bed applications. 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 material 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



ConiPerf fluid bed insert



ConiPerf bottom commonly  
used for fluid bed dryer

# The right solution for any separation challenge

PEACE OF MIND, COST EFFICIENCY, AND SUSTAINABILITY – ALL FROM ONE TRUSTED PARTNER.

Regardless of your industry – whether environmental, chemicals, mining and minerals, or food and beverage – efficient separation processes are essential for high product quality, reduced waste, and the responsible use of valuable resources. With our advanced technologies, comprehensive services, and smart automation and digitalization solutions, we deliver peace of mind today and lasting success for tomorrow – efficiently, responsibly, and with measurable impact. What's more, with us you also gain access to one of the world's largest OEM manufacturers for solid/liquid separation for well-known brands such as 3Sys Technologies, Bird, Dedert, Delkor Capital Equipment (Pty) Ltd., Escher Wyss dryers, Guinard Centrifugation, KHD Humboldt Wedag, Krauss-Maffei centrifuges, dryers, and filters, LENSER Filtration, Netzsch Filtration, REINEVELD centrifuges, Rittershaus and Blecher, Royal GMF Gouda, Sprout Bauer, and Vandebroek.

## SEPARATION EQUIPMENT AND SYSTEMS

- Decanter and filter centrifuges
- Filter presses
- Dryers
- Presses and screens
- Extractors
- Thickeners
- Evaporators and crystallizers
- Disc and drum filters
- Screening and filtration components
- Specialized thermal systems



## FULL-SERVICE OFFERING

- OEM spare and wear parts
  - Maintenance and repairs
- Service agreements
  - Automation and digitalization
  - Machine and process optimization
  - Second-hand and rentals

## AUTOMATION AND DIGITALIZATION SOLUTIONS

Site assessment and integration • Advanced process control and artificial intelligence • Simulation and training • Digital twin technology • Data analytics and prediction • Electrification, instrumentation and controls

# Enabling the green transition

As a technology leader in a changing world, we strive to make a positive impact on our environment. We believe that what we do today can make a difference tomorrow and in the future. We drive change and enable our customers to achieve their sustainability goals and make the world greener with our sustainable solutions in decarbonization, circular economy, renewable energy, and environmental technologies. It all starts with your specific process requirements and ends with a system that gives you the best results – day in and day out, for decades to come.

**ANDRITZ. FOR GROWTH THAT MATTERS.**



## A WORLD OF SEPARATION SOLUTIONS

ANDRITZ provides mechanical and thermal solid/liquid separation technologies, complemented by comprehensive services, automation, and digitalization solutions for the chemicals, environment, food and beverage, as well as mining and minerals industries. Our customized, innovative solutions focus on minimizing resource consumption and maximizing process efficiency, thus making a substantial contribution towards sustainable environmental protection. With over 150 years of experience and more than 2,700 separation specialists around the globe, we are a driving force in the evolution of separation solutions – enabling industries to meet tomorrow's demands responsibly. **ANDRITZ. FOR GROWTH THAT MATTERS.**

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