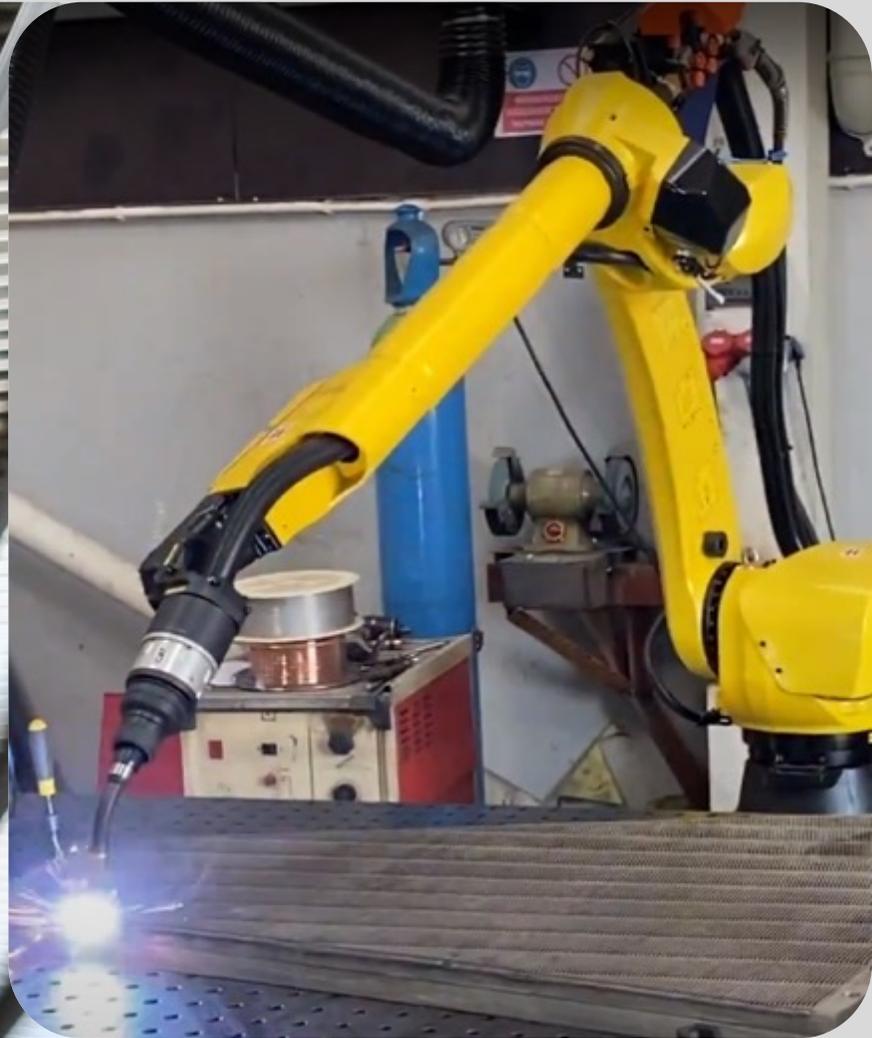




*Customized Filtering
Solutions for Industrial
Applications*



ABOUT US

ADENWEDGEWIRE operates in Technopark Istanbul which is the biggest technology development centre in Turkey. We carry out R&D activities with a **highly skilled engineering team** that specialized in designing and manufacturing customer-specific wedge wire products depending on the requirements.

Our wedge wire screens focus on full customer satisfaction in terms of **competitive cost, short shipping time and high mechanical properties**. Manufacturing consists of robotic systems that enable high precision and flexible solutions.

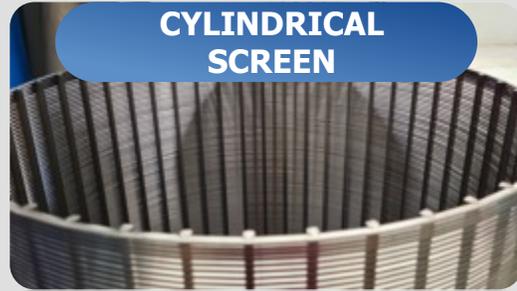
Manufactured with Stainless Steel 304, 316, 316L, 316Ti, 321, Superduplex or depending on your request with different kinds of application based surface treatments and coatings.

OUR CAPABILITIES

- Design & manufacturing of unique and customized Wedge Wire Screens
- Design and supply of Coanda Intake Screens
- Manufacturing of Special Bi-Cylindrical Screens for a wide range of industries
- Specific surface treatments depending on application for longer life
- Specialized tilted-wire construction to provide high filtration performance



WEDGE WIRE PRODUCTS



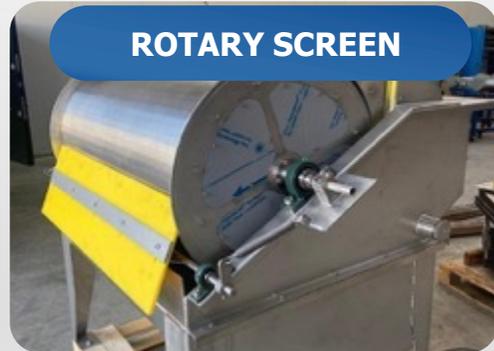
CYLINDRICAL SCREEN



FLAT SCREEN



LOOPED SCREEN



ROTARY SCREEN



BASKET SCREEN



SIEVE BEND

SPECIAL SCREENS



BI-CYLINDRICAL (COUNTERBORE) SCREENS





CYLINDRICAL WEDGE WIRE

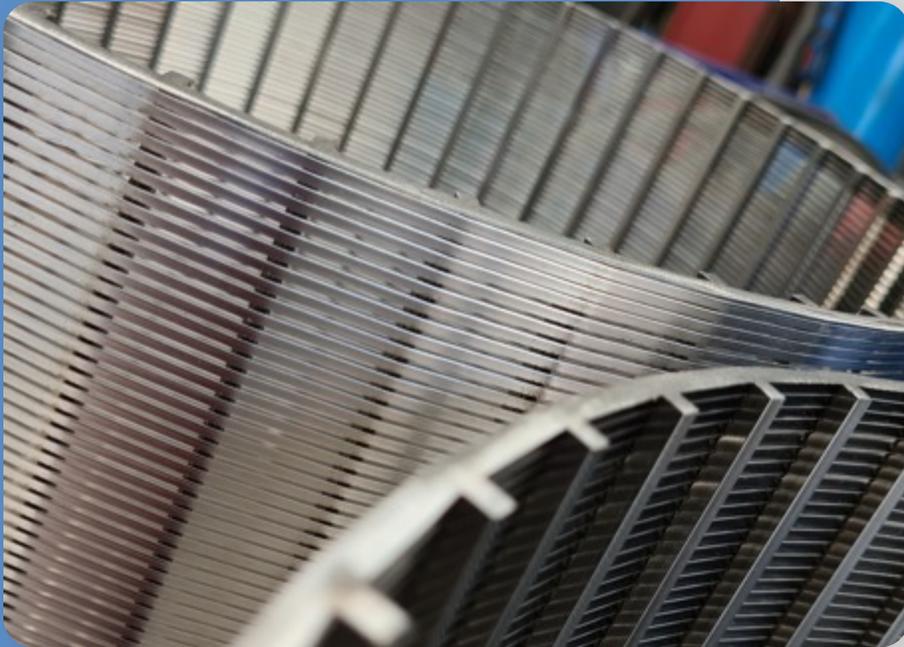


Cylindrical wedge wires are the most popular screens that can be adapted to many applications. Shape of the cylinder helps the filtration process completed accurately.



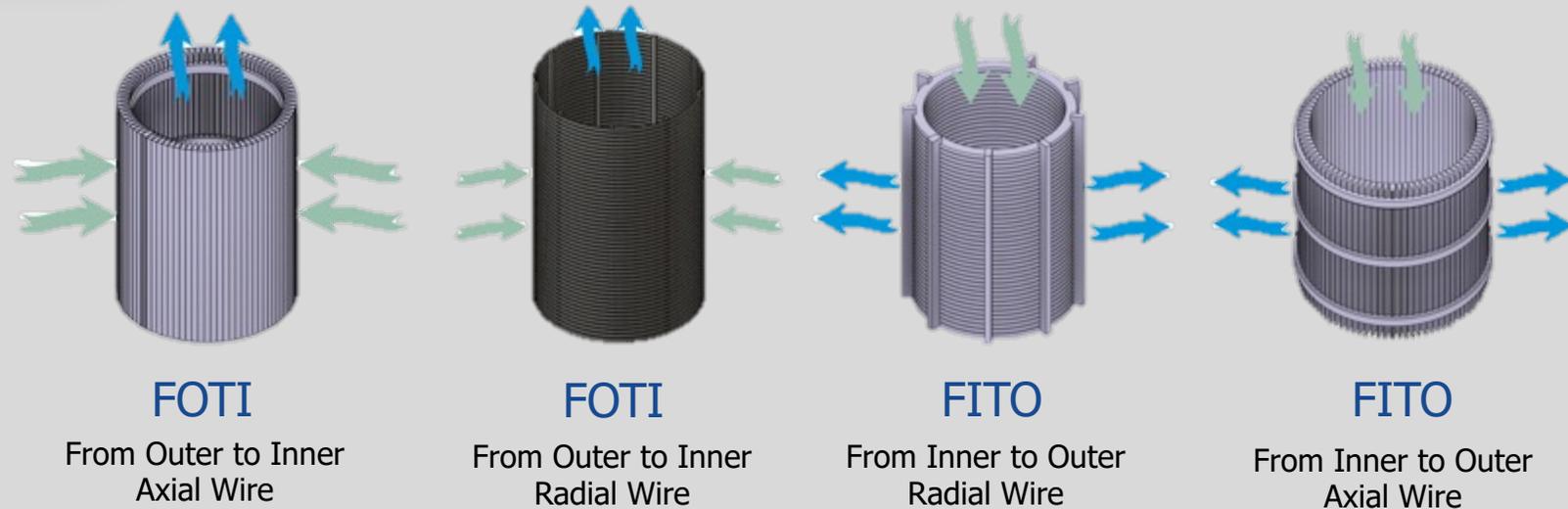
- ❖ **Modular and configurable design**
- ❖ **Maintains strong and efficient filtration**
- ❖ **Surface treatment based on application**
- ❖ **Tilted wedge wire placement**

Water Industry	Petrochemical	Food And Beverage
Waste Water Treatment	Self-Cleaning Filtration	Food Processing
Water Intake Systems		Food Washing
Power Generation		Micro Filtering

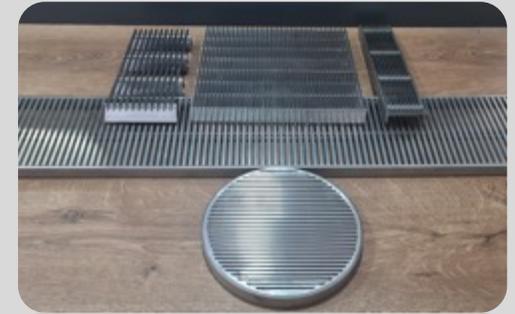


- Cylindrical wedge wires manufactured in different dimensions depending on the application.
- There are four different types depending on the working principle.
- They can be manufactured depending on your intake capacity and customized dimension with high quality engineering.

- ❖ Corrosion resistant
- ❖ Low pressure drop
- ❖ High mechanical strength

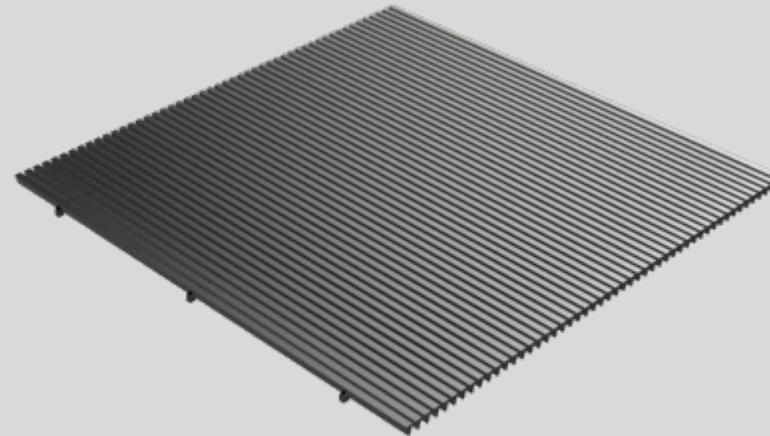


FLAT SCREEN



FLAT screen manufactured with precise engineering and high quality welding. Flat panels mostly used processing solid particles with vibration.

Depending on the opening between the V profiles, flat panels provide wide range of opening area.



- ❖ Customized open area
- ❖ Modular design
- ❖ High performance filtration
- ❖ Surface Treatment based on Application
- ❖ Long service life and less maintenance
- ❖ Tilted Wedge Wire Placement

Water Industry	Mining Industry	Food Industry
Waste Water Treatment	Filtering	Particle Filtration
Hydropower Plants	Vibrational Separator	Fermentation
		Brewery



LOOPED SCREENS



Looped wedge wire screen consists of looped meshes on the supporting bars. Looped wedge wires are used as a filter to eliminate bigger sizes or different types of materials.

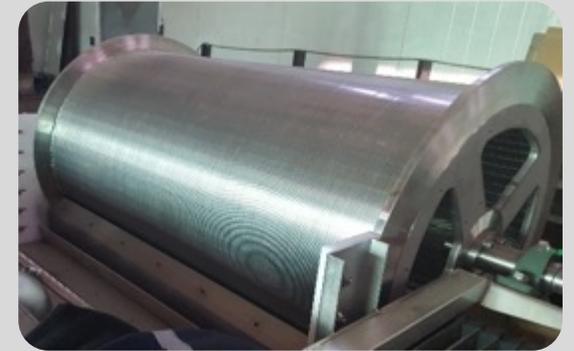
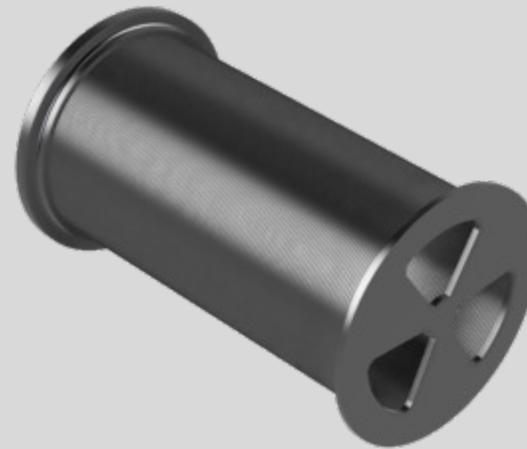
We have broad and precise manufacturing capacity for the looped screens.

- ❖ Superior strength
- ❖ Long service life
- ❖ Surface Treatment based on Application
- ❖ Increased filtration performance
- ❖ Self cleaning
- ❖ No moving parts

Mining Industry	Other Industries
Gold Mining	Water Treatment
Filtration Process	Filtration
Coal Mining	Petrochemical Plants
Mineral Processing	Pulp and Paper Process



ROTARY SCREEN



Rotary screen works by rotating on the cylindrical axis. Modular design provides simple solutions for application.

Configurable diameters and capacities are available and can be customized depending on your request.

- ❖ **Simple and efficient filtration**
- ❖ **Long service life**
- ❖ **Modular design**
- ❖ **Optimized durability**
- ❖ **Suitable for most applications**

Water Industry

Food Industry

Water Protection

Particle Filtration

Water Treatment

Food Processing

Hydropower Water Intake

Mineral Processing

Dewatering



BASKET SCREEN

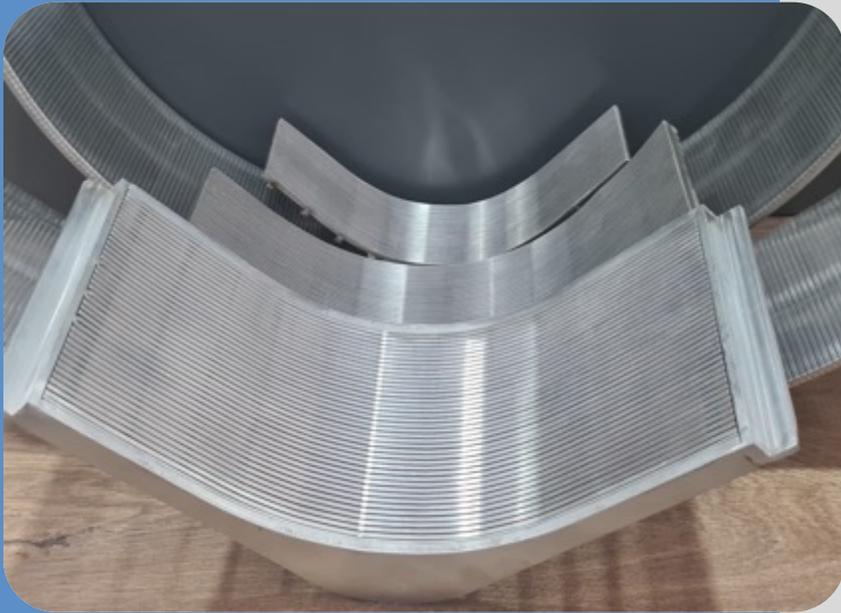


Basket screens are centrifugal and conical type wedge wires. Diameter of the basket screen changes along the cylindrical axis.

They are mainly used as an filtration element in different industries.

- ❖ **Efficient filtration**
- ❖ **High strength and wear resistance**
- ❖ **Outstanding mechanical properties**
- ❖ **Long service life**

Water Industry	Food Industry	Chemical Industry
Filtration	Particle Filtration	Processing of Chemicals
Waste Water Treatment		Petrochemical Plants

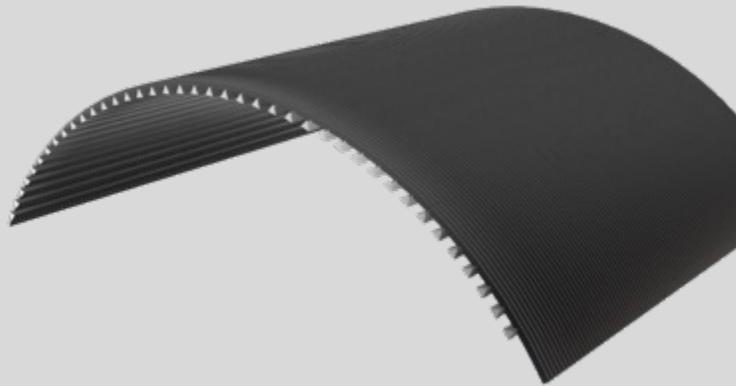


SIEVE BEND WEDGE WIRES



Sieve bend screens are curved screens with a constant radius. They are manufactured with wrapped and welded V profiles.

Sieve bends are preferred for filtering applications with their arc shapes.



- ❖ **Outstanding filtration performance**
- ❖ **Increased capacity compared to the panel types**
- ❖ **Low maintenance and high durability**
- ❖ **High efficiency**
- ❖ **Suitable for most applications**
- ❖ **Precise openings**

Water Industry	Food Industry	Chemical Industry
Water Filtration	Particle Filtration	Processing of Chemicals
Drinking Water Treatment	Food Processing	Coal Removal Process
Dewatering		

SPECIAL SCREENS



COANDA INTAKE SCREENS



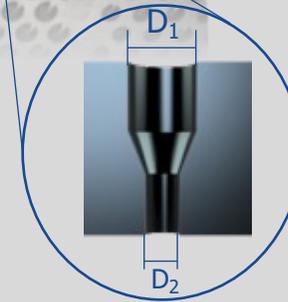
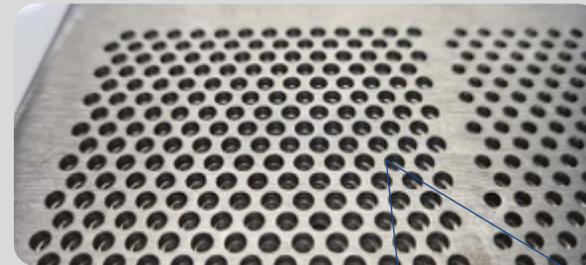
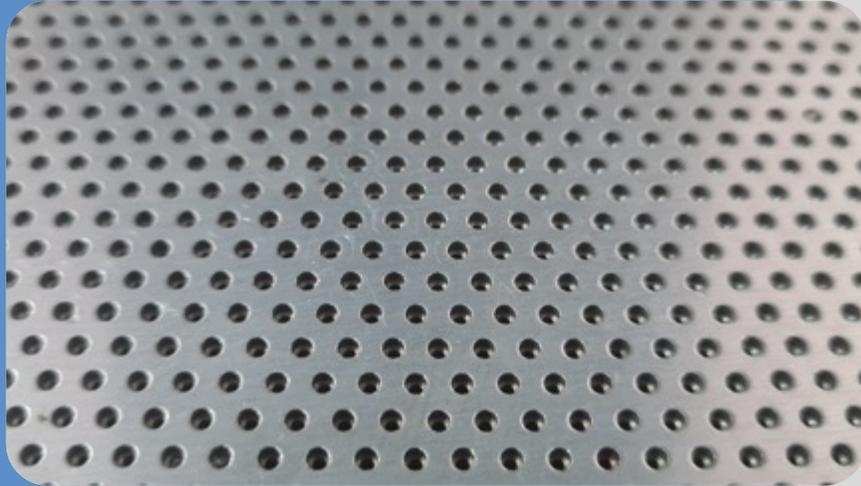
Coanda Intake Screens are filtration products that operate to intake clean water by using the Coanda effect phenomenon.

Coanda Screen provide cleaning by its angled V profiles and curved geometry and consume zero energy with no-moving parts.

- ❖ **High intake performance**
- ❖ **Self cleaning**
- ❖ **Long service life**
- ❖ **No power requirement**
- ❖ **Fish friendly**
- ❖ **Negligible operational cost**

Water Industry	Food Industry
Hydropower Water Intake	Agricultural Applications
Water Filtration	Fishing
Dewatering	
Cleaning Water	
Drinking Water	
Waste Water	

BI-CYLINDRICAL SCREEN PLATE TYPE



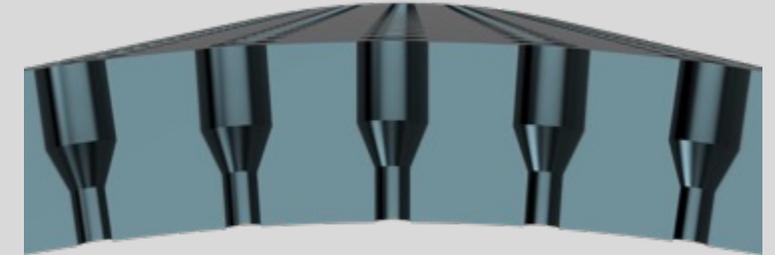
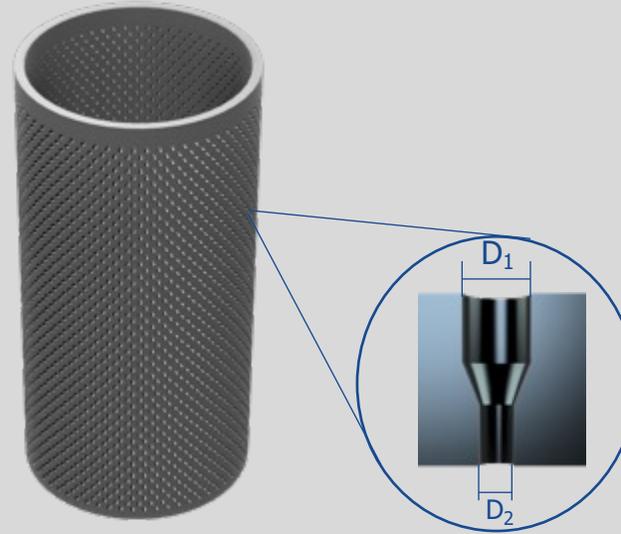
Bi-Cylindrical plates are used when high pressing and superior filtration required.

Depending on the customer specifications, bi-cylindrical plates can be manufactured with counterbore holes for special applications.

- ❖ **Suitable for high pressing**
- ❖ **Customized design**
- ❖ **Challenging filtration**
- ❖ **High mechanical properties**
- ❖ **Long operational life**

Water Industry	Food Industry	Chemical Industry	Paper
Water Filtration	Sugar Pulp Pressing	Processing of Chemicals	Paper Mills
Purification	Food Processing Machinery	Filtration	
	Pressing	Pressing	

BI-CYLINDRICAL SCREEN CYLINDER TYPE

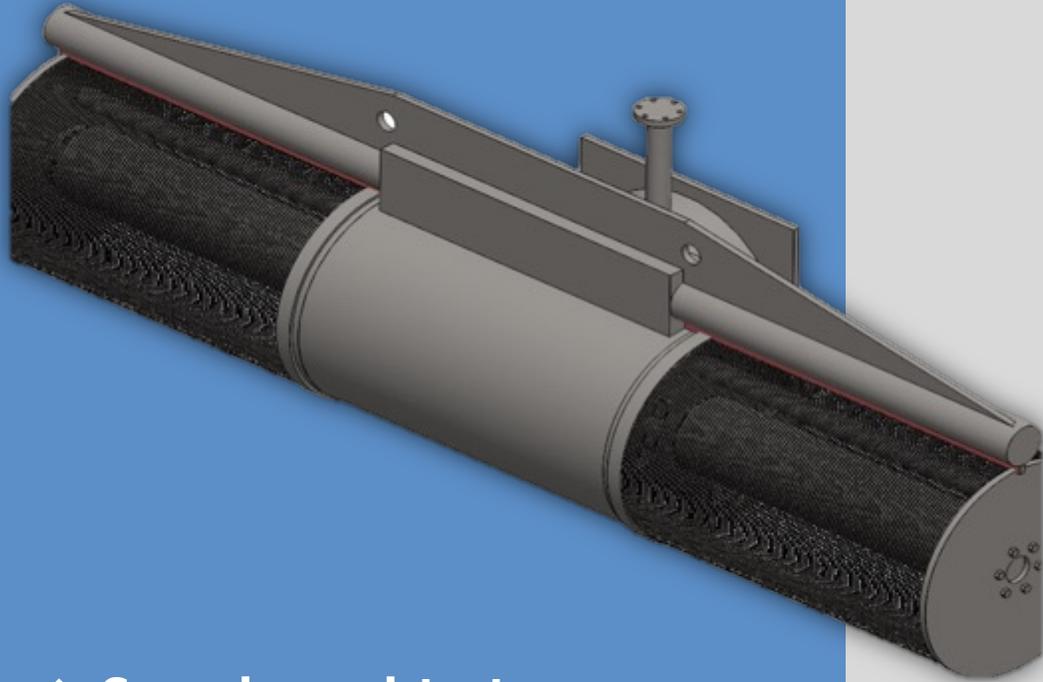


Bi-Cylindrical cylinders are used when high pressing and superior filtration required.

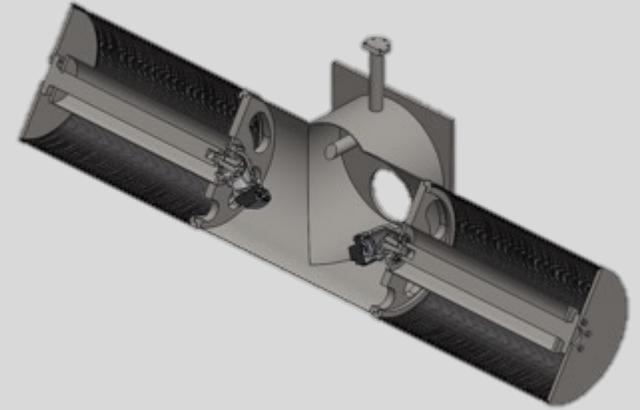
Depending on the customer specifications, bi-cylindrical cylinders can be manufactured with counterbore holes for special applications.

- ❖ Customized design
- ❖ Challenging filtration
- ❖ High mechanical properties
- ❖ Modular design
- ❖ Precise openings

Water Industry	Food Industry	Chemical Industry	Paper
Water Filtration	Sugar Pulp Pressing	Processing of Chemicals	Paper Mills
Purification	Food Processing Machinery	Filtration	
	Pressing	Pressing	



WATER INTAKE SCREEN (T)



- ❖ Corrosion resistant
- ❖ No moving parts
- ❖ Reduced operating costs
- ❖ Maximum water flow
- ❖ Increased intake capacity
- ❖ Airburst cleaning system available
- ❖ Rotating/Motorized system available

Water intake screen is widely used in places with high volumes of water such as lakes, rivers and oceans. It is designed to work efficiently in multiple water conditions in harsh environments. These screens maintain an excellent constant flow rate and minimize blockages while preserving aquatic life.

Water Industry	Applications
Raw water from reservoirs and rivers	Water treatment plants
Industrial raw water supply	Municipal water supply
Process water to filter raw water extracted from underwater sources	Cooling water applications



ARCHITECTURAL SCREENS



Because of captivating look and ultimate filtration performance of wedge wire screens, they are used in architectural applications. Thanks to their aesthetic and modern look, wedge wire screens create a unique look that is different from conventional structures.

- ❖ **Aesthetic look**
- ❖ **Durable**
- ❖ **Corrosion Resistant**
- ❖ **Weather Resistant**

Applications	Applications
Wall and Floor Panels	Cladding
Staircases	Street Furniture
Building facades	Swimming pool grates
Canopies	Pergolas



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