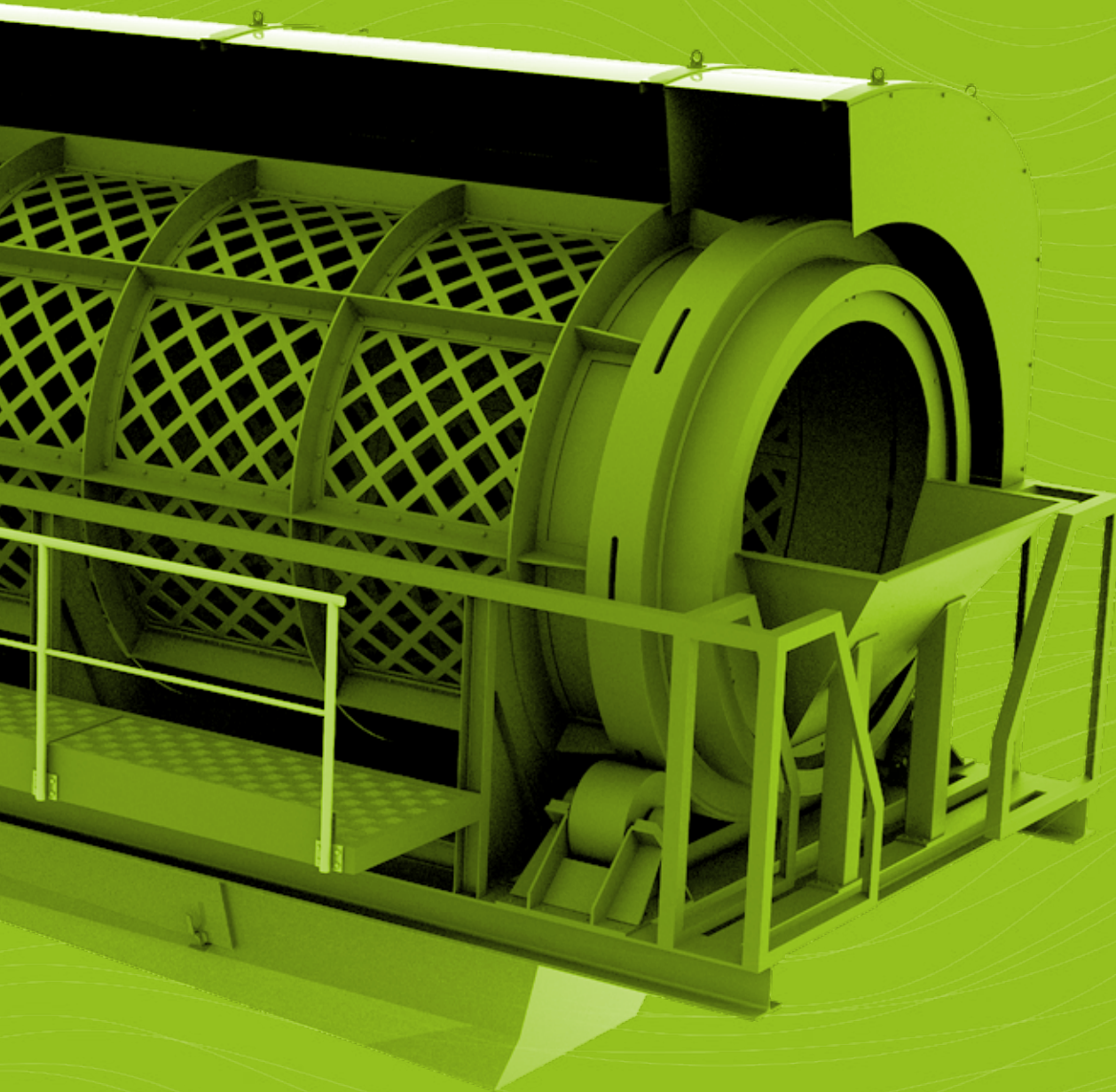
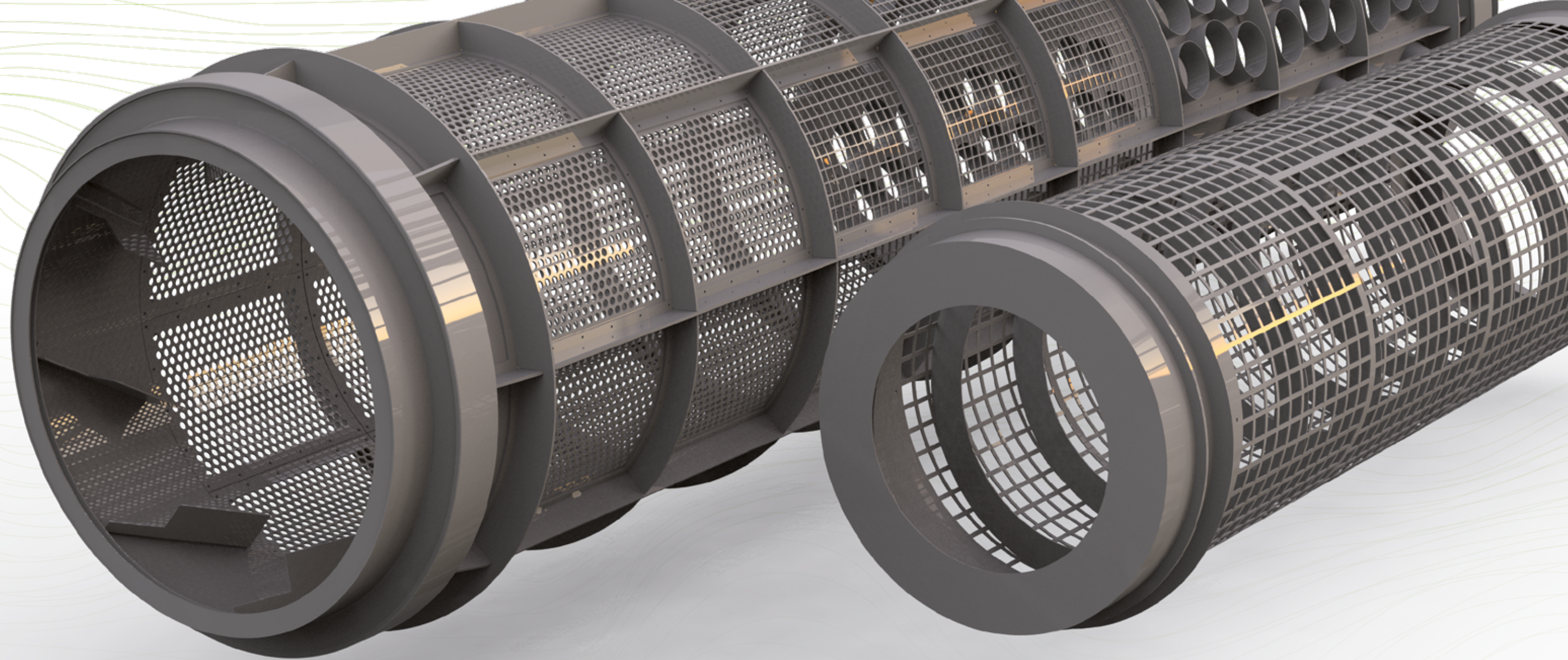


by **Perfopol**



TROMMEL SCREENS

MINERAL RESOURCES
WASTE MANAGEMENT / RECYCLING



WHY US

Perfopol has been manufacturing and supplying products for many industries for over 30 years, offering the highest quality products and services. Our experience on the international market and our extensive technical background enable us to guarantee

a professional service at every stage of the project. The satisfaction of our regular customers gives us great joy and motivates us to continually develop and build lasting business relations based on mutual trust.



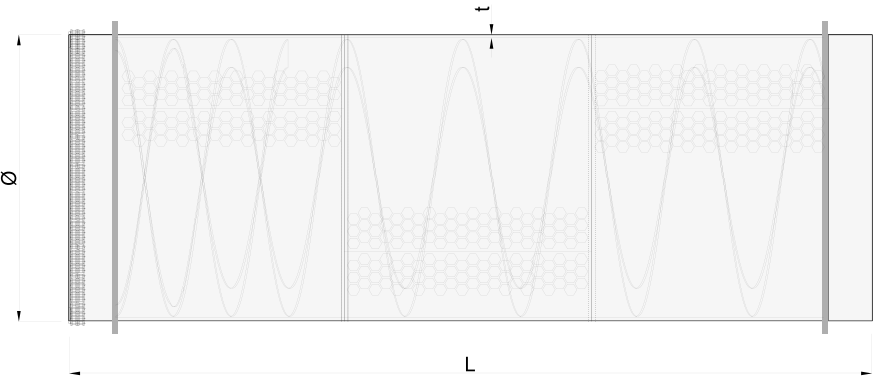
CHARACTERISTICS

Trommel screens manufactured by Perfopol used in rotary screens are mainly used in the processing of mineral raw materials and solid waste. These screens are used for mechanical separation of various materials, the most important of which include:



SELECTED TROMMEL MODELS FOR MOBILE MACHINES

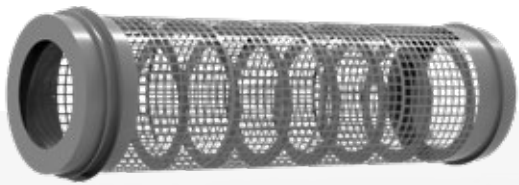
DIAMETER Ø	LENGTH L	THICKNESS t	RADE OF MATERIAL
[mm]	[mm]	[mm]	
1400	4200	5 / 6 / 8 / 10	S235 S355 HARDOX
1600	4200	5 / 6 / 8 / 10	
1800	4500 / 4700 / 7100	5 / 6 / 8 / 10	
2000	4500 / 5500 / 7100	5 / 6 / 8 / 10 / 12	
2200	5500 / 7500 / 6020	6 / 8 / 10	
2500	7000 / 10000	6 / 8 / 10 / 12	



On request, it is possible to manufacture the drum in accordance with client's specifications

TYPES OF TROMMEL SCREENS

Depending on the type of supporting structure, a distinction is made between mobile and stationary screens. The trommel screens are adapted to the specific screening material and performance requirements. Depending on the applied constructional solutions, trommel screens can be divided into:

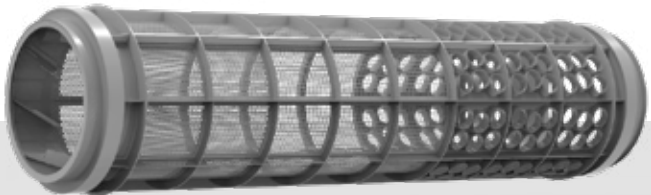


MONOLITHIC

This type of trommel screen is used in both stationary and mobile machines. They are characterised by high rigidity and provide a compact and durable construction.

They are most often equipped with a spiral ribbon welded to the inner surface of the screen. In addition to its transport function, the spiral additionally stiffens the entire trommel structure, forming a monolithic whole with the other components (i.e. rings, raceways, etc.).

The use of this type of trommel design allows for a reduction in tare weight compared to a framework design with replaceable screen inserts. In monolithic trommel screens, the diameter usually does not exceed **2.5m** and the length can be up to **10m**. The advantage is the quick replacement in the machine and the short retooling time.



SEGMENTAL WITH INTERCHANGEABLE SCREENS

The rotary screen consists of a frame and perforated metal sheets or woven mesh attached to it with screws.

Such a method of assembly (inside or outside of the structure) allows quick change of the screens according to the processed material.

If woven mesh is used, good self-cleaning properties are additionally achieved through the vibrations created during drum operation.

Frame-mounted screens are mostly used in stationary machines. The diameter of the drum is as large as **3m** and the total length can reach almost **20m**. Due to the weight in excess of **20t**, an appropriately sized drive and support structure are required.

Drum screens differ in the type of drive used, which include:

- **chain drive** – a chain welded to the drum,
- **friction drive** – the drive roller works on the track or directly on the drum shell,
- **rack and pinion drive** – drum with whole or segment gears.

GALLERY OF SELECTED PROJECTS



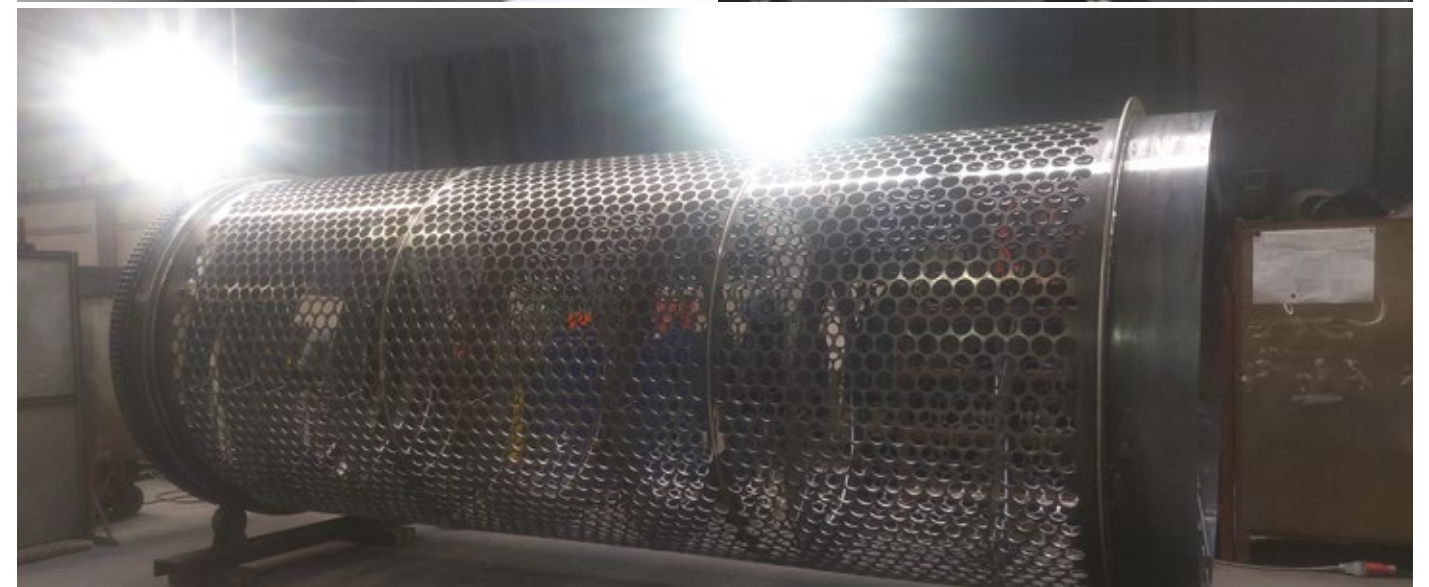
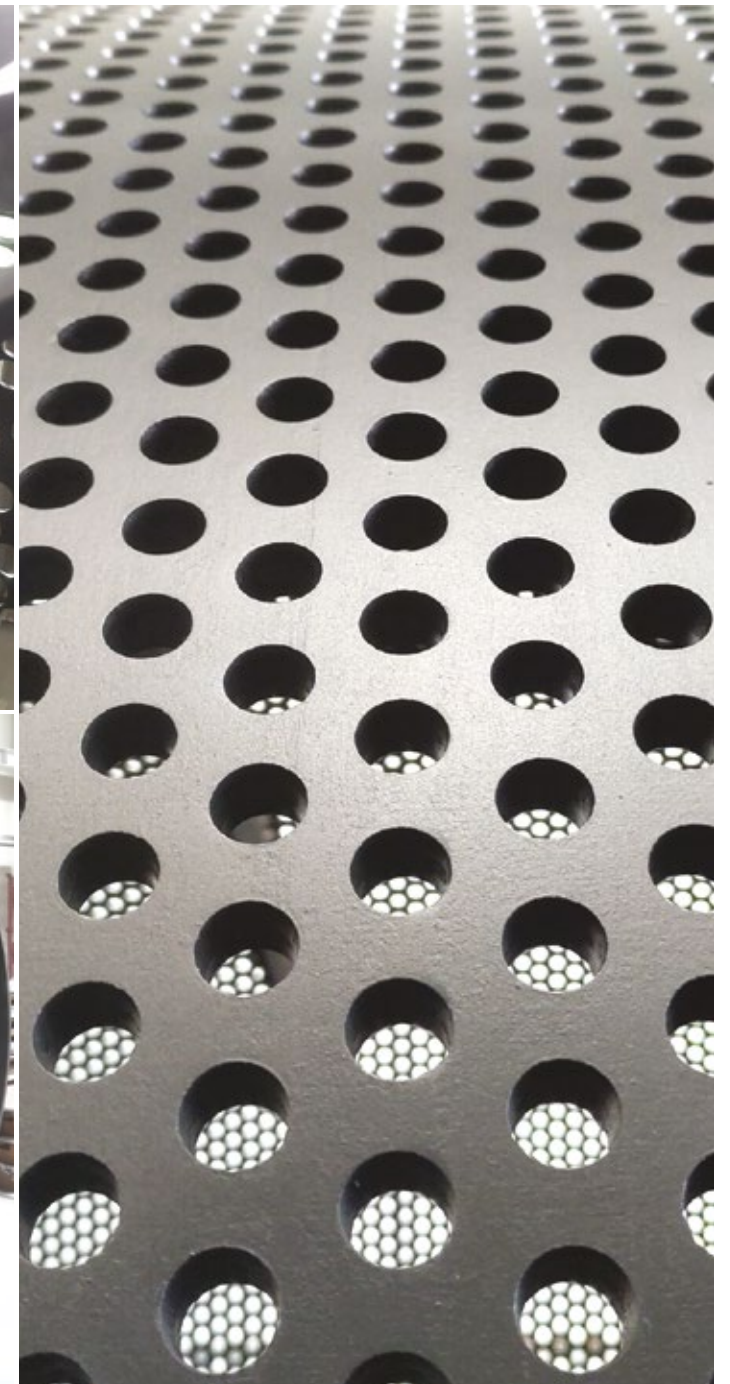
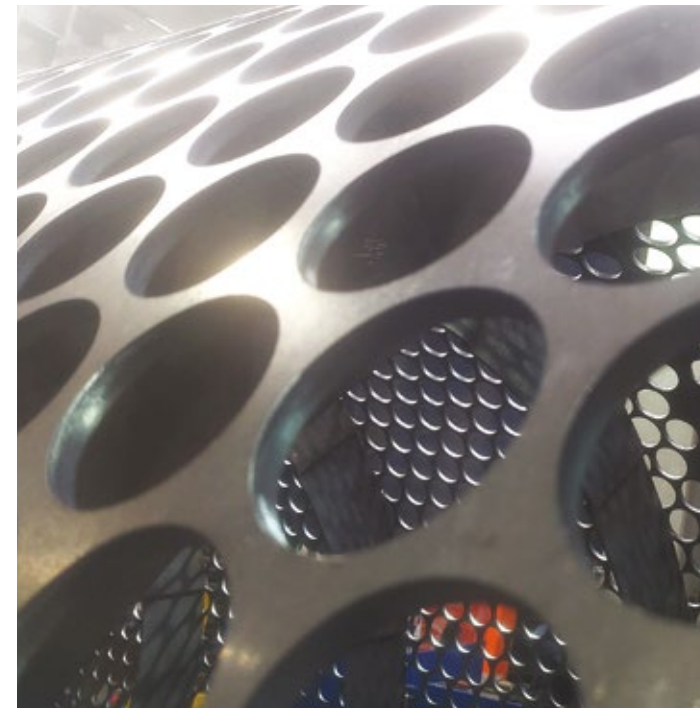
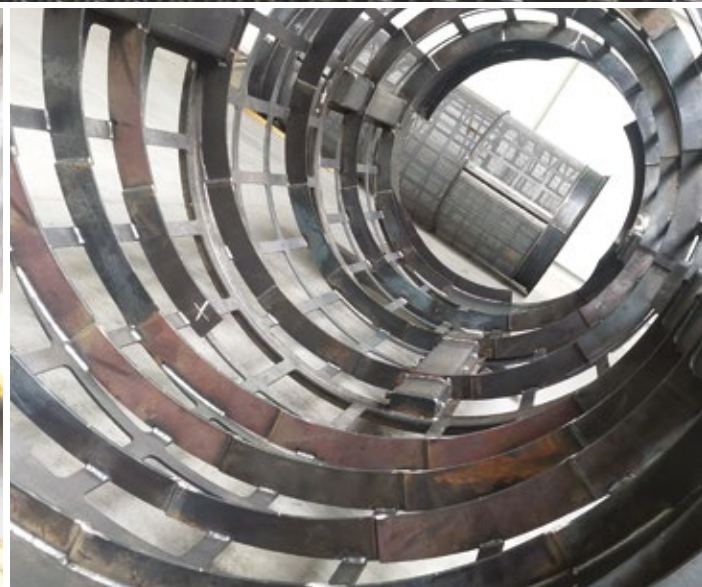
TROMMEL FOR STATIONARY MACHINES



TROMMEL FOR MOBILE MACHINES



FRAMEWORK TROMMEL WITH MESH



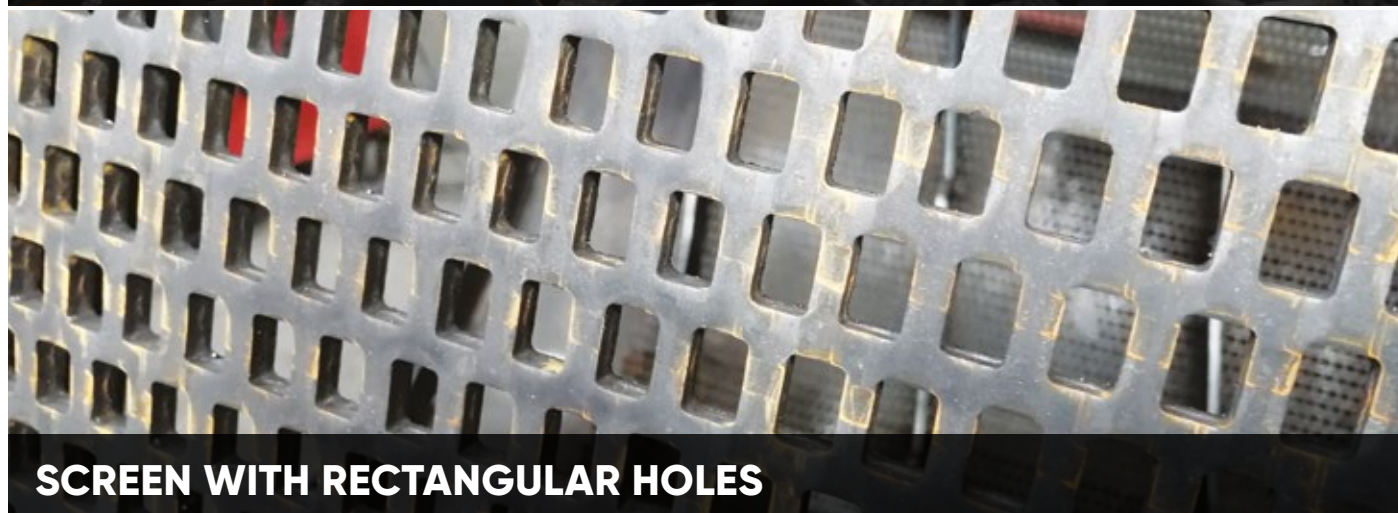
SCREEN WITH ROUND HOLES



SCREEN WITH SQUARE HOLES



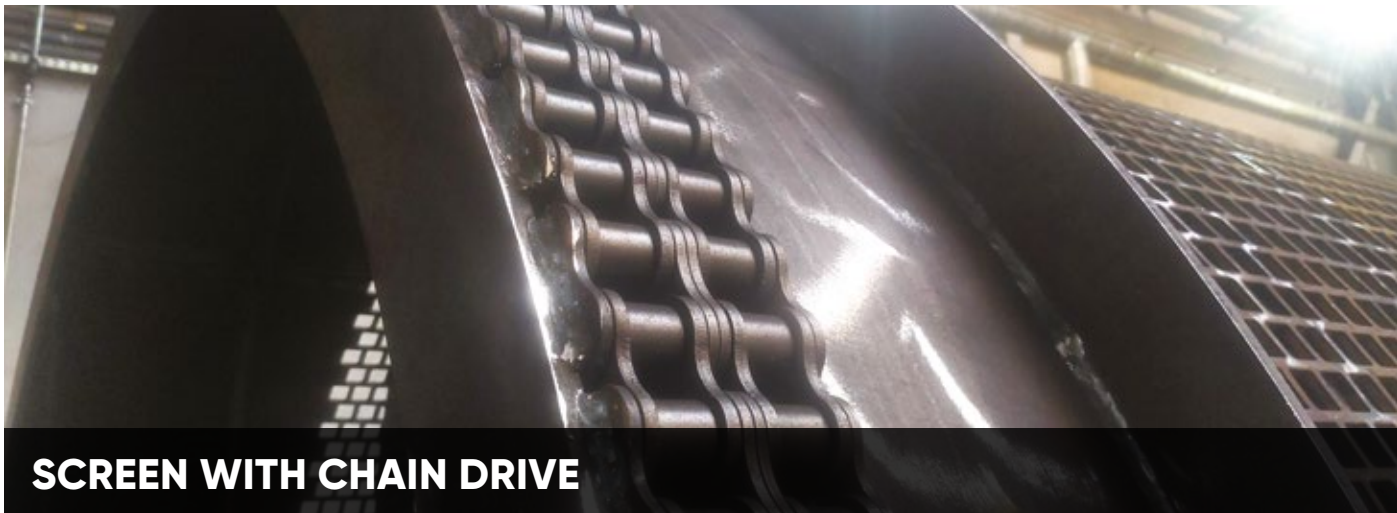
SCREEN WITH HEXAGONAL HOLES



SCREEN WITH RECTANGULAR HOLES



SCREEN WITH MIXED HOLES



SCREEN WITH CHAIN DRIVE



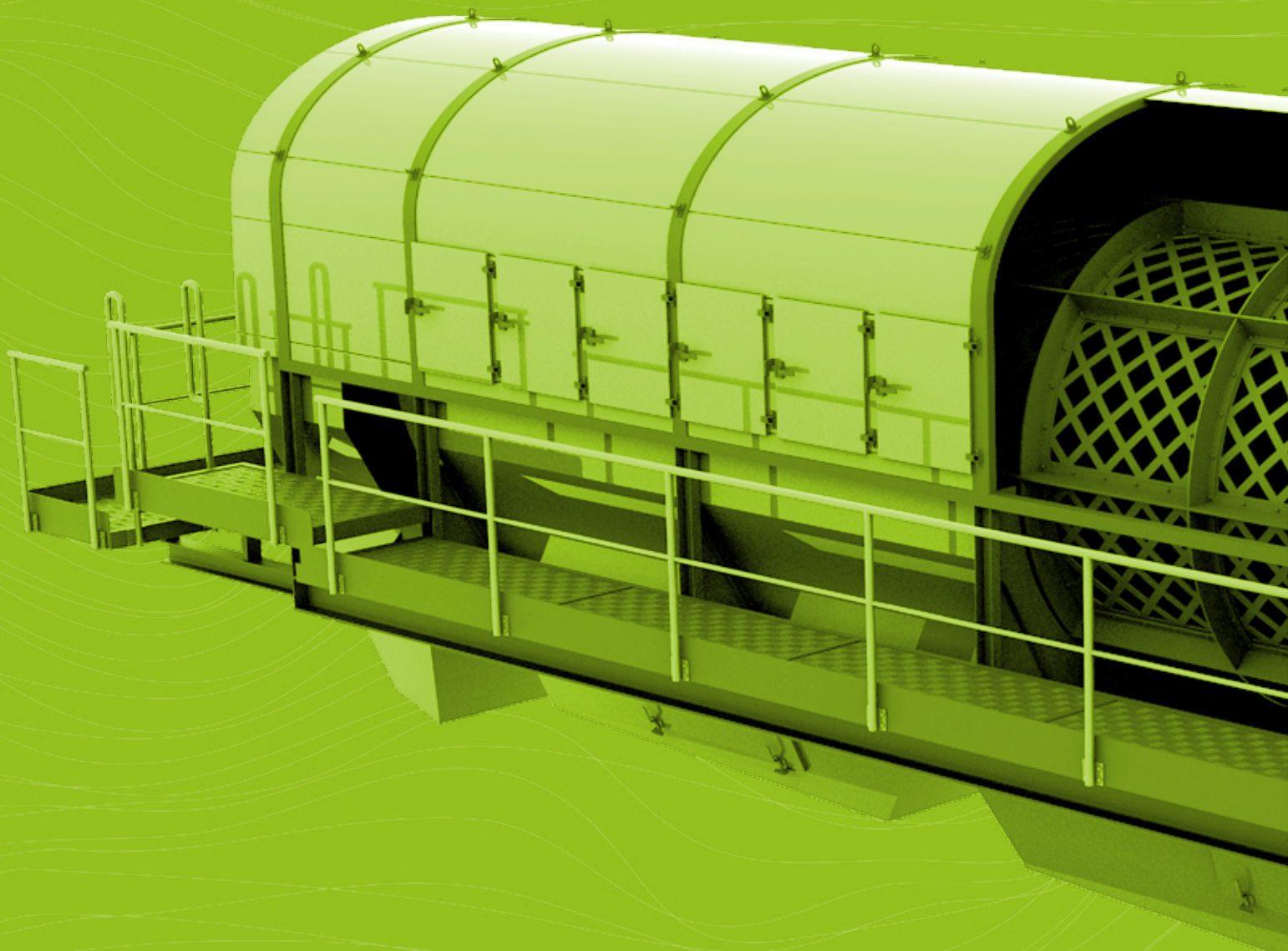
SCREEN WITH GEAR DRIVE



SCREEN WITH FRICTION DRIVE



PRODUCTION PHOTOGRAPHS



**Exlusive
representative**

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