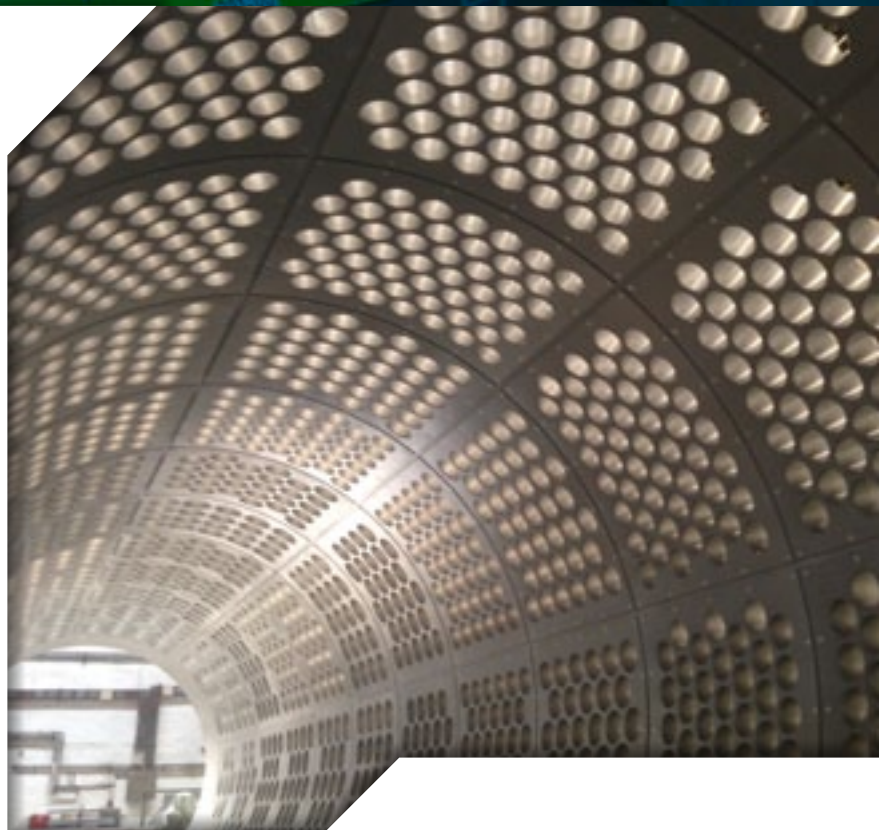




# TROMMEL SCREEN

▲ Sutco developed the trommel screen as a major plant component for advanced treatment plants. It is designed for the creation of different particle fractions, the breakdown of agglomerates and the homogenization of material. Trommel screens are used for screening a wide range of materials such as: slag, mixed construction waste, cardboard-paper, plastics, wood etc. The generation of 2 to 4 sieve cuts and throughputs of up to 160 t/h are possible.



## APPLICATION

- GENERATION OF DIFFERENT PARTICLE FRACTIONS
- DISINTEGRATION OF AGGLOMERATES
- HOMOGENIZATION

## SYSTEM DESCRIPTION

The trommel body installed in an inclined fashion is the core of the trommel screen. The body is equipped with six changing plates for each screen shot over the circumference. Depending on the sizing, the trommel body may comprise 4 to 6 screen shots. The trommel body is supported on two turned races. Depending on the requirement, several screen fractions may be generated by a trommel screen. The built-in equipment (stopper, accelerator) can be used to influence the screening result. The screen perforation may optionally be designed as round or rectangular perforations, with wrapping protection in case of round perforation as well. Together with the races the trommel body is supported by a total of 4 rollers with vulkollan linings. The rotary movement of the trommel body is generated via one or two rollers which are driven by geared motors. The rollers are bolted to the base frame.



An axial pressure roller exerting pressure against one race prevents the trommel body from an axial movement caused by the rotation and trommel inclination. The base frame stands on supports doweled to foundations.

## COMPONENTS

- TROMMEL BODY
- BASE FRAME
- INLET, OVERFLOW CHUTE, SCREENING MATERIAL CHUTE
- DUST PROTECTION HOOD
- AXIAL THRUST COLLAR

## TECHNICAL DATA

Speed	4 - 18 rpm
Drive power	once 4 kW - twice 30 kW
Screen plate thickness	8 / 10 / 12 / 15 mm

SCREEN LENGTH							
Screen shots	4	5	6	7	8	9	10
ø 1.800 mm	4,040 mm	5,050 mm	6,060 mm	7,070 mm			
ø 2.100 mm		5,050 mm	6,060 mm	7,070 mm	8,080 mm	9,090 mm	
ø 2.500 mm		5,050 mm	6,060 mm	7,070 mm	8,080 mm	9,090 mm	10,100 mm
ø 3.000 mm		6,300 mm	7,560 mm	8,820 mm	10,080 mm	11,340 mm	12,600 mm
ø 3.600 mm			7,560 mm	8,820 mm	10,080 mm	11,340 mm	12,600 mm



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RECYCLING IS ADDED VALUE

