



PARINI
WASTE SORTING TECHNOLOGY



VRS STATIONARY **TROMMEL SCREENS**

PRIMARY AND SECONDARY SCREENING
INDUSTRIAL WASTE SEPARATION
ORGANIC MATERIALS SEPARATION



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The drum sieve separates the inflow material in one or more fractions with homogenous size features.

By tilting the drum a few degrees or thanks to a spiral fixed inside the horizontal drum, the material moves axially inside the drum itself.

The holes of rotary part (there can be two or more different holes on the same screen), define the size of screened material (underscreen) and of material coming out from the discharge side of the drum (overscreen).

The project data that define the suitable screen are:
Type of waste, hourly capacity, size.



CONSTRUCTION

A sturdy base frame in steel bars supports the 4 support wheels and relative motorisation. For safety reasons and to prevent the coming out of dust, an external carpentry structure protects the rotary parts.

Connection flanges for centralised dust extraction system are provided at the two ends of the screen.

Wide doors equipped with electro-magnetic safety locks allow access inside the drum for cleaning and maintenance purpose.

Cleaning from the outside is allowed through other doors placed on the 2 sides.

The octagonal or cylindrical drum is put into rotation by the 2 motorised wheels.

The other 2 support wheels are idle.



Silent rotation, without vibrations and less wear of sliding wheels are given by machine-lathed roller paths.



The perforated screening metal sheets are bolted to the rotary frame and easily replaceable



**TECHNICAL FEATURES
DRUM SIEVE**

	VRS180	VRS220	VRS 250	VRS300
Drum diameter (mm)	1800	2170	2500	3000
Drum available length (mm)	up to 5000	up to 8000	up to 10000	up to 12000
Inclination °	0-4	0-4	0-4	0-4
Installed power [kW]	7.5	2x7.5	2x11	2x15
Hourly output [m3/h]	up to 40	up to 50	up to 100	up to 140



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