



The **DCV-T range of screens** is a heavy duty design which removes coarse suspended solids from waste water. This kind of screens can be used for pumping and lifting stations (irrigation, flood control, rain sewerage network), water intakes (cooling water for power plants and refineries), hydro power plants, municipal waste water treatment plants, drinking water plants and industrial water processing.



## ADVANTAGES

- Powerful hydraulic system to actuate the rake closing and the screening waste ejection
- No critical mechanical parts in the water
- Rake can stop and open at any position on the downward movement (big advantage in case of storm, flood conditions)
- Silent - No noise pollution
- Very high lifting capacity (up to one ton solids per raking)
- Low power consumption
- Quick and easy maintenance (access, operations)





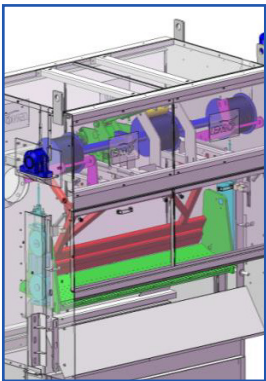
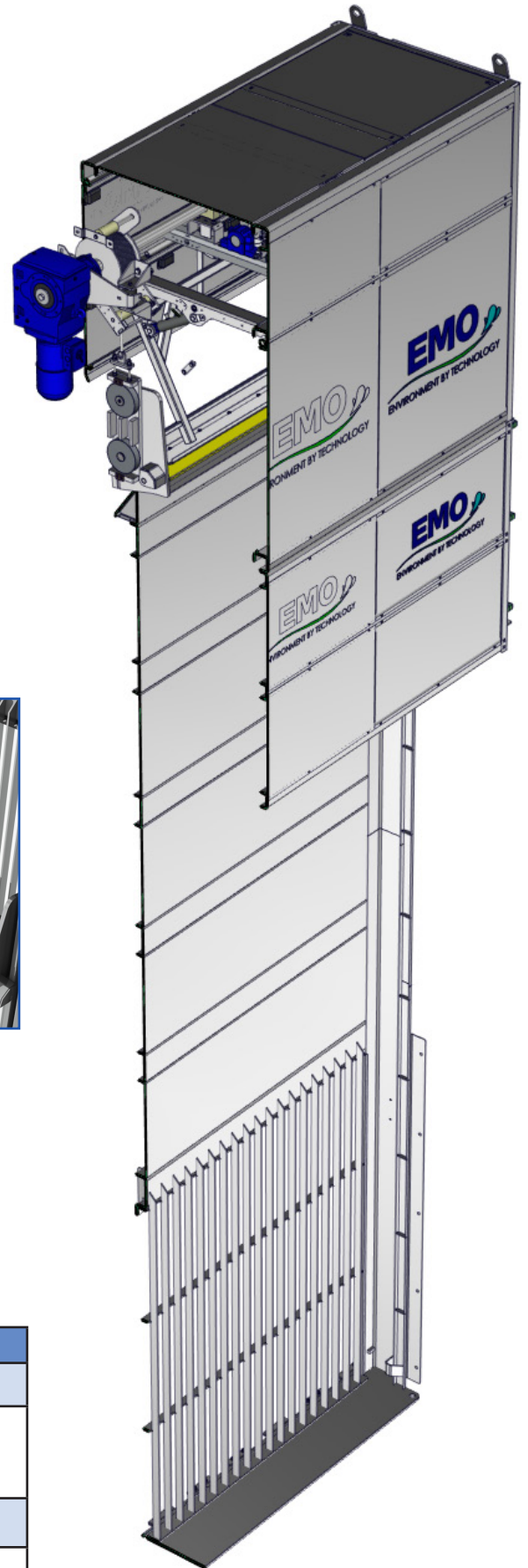
## OPERATING PRINCIPLE

The DCV-T bar screen is fitted with 3 cables : one on each side for the upwards and downwards movement of the rake, and one central cable for the closing and opening of the rake. The cables roll and unroll on multigroove drums to allow longer life time of the cables.

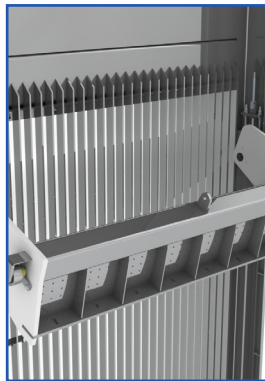
In the home position, the rake opens and starts to move downwards on the guiding rails. When the slack cable sensor is actuated, the rake closes to penetrate inside the bars and catch the screenings.

Screenings are lifted inside the bucket, created by the rake, the rake holder and sliding against the dead plate (or concrete wall). When reaching the top, the screenings are discharged by means of ejector actuated by hydraulic jacks and fall down directly into container or conveying system.

For an efficient operation and screening removal, the water speed through the screen should not exceed 1 m/s.



100% automatic



Descent of the rake (opened position)



Waste lifting (closed position)



## SELECTION TABLE

Description	Dimensions
Frame width	from 1360 to 3060 mm
Discharge height from operation floor channel depth	1000 mm minimum
Angle of installation	90°
Fineness of screening	10 mm minimum
Grid height	from 500 up to 8000 mm