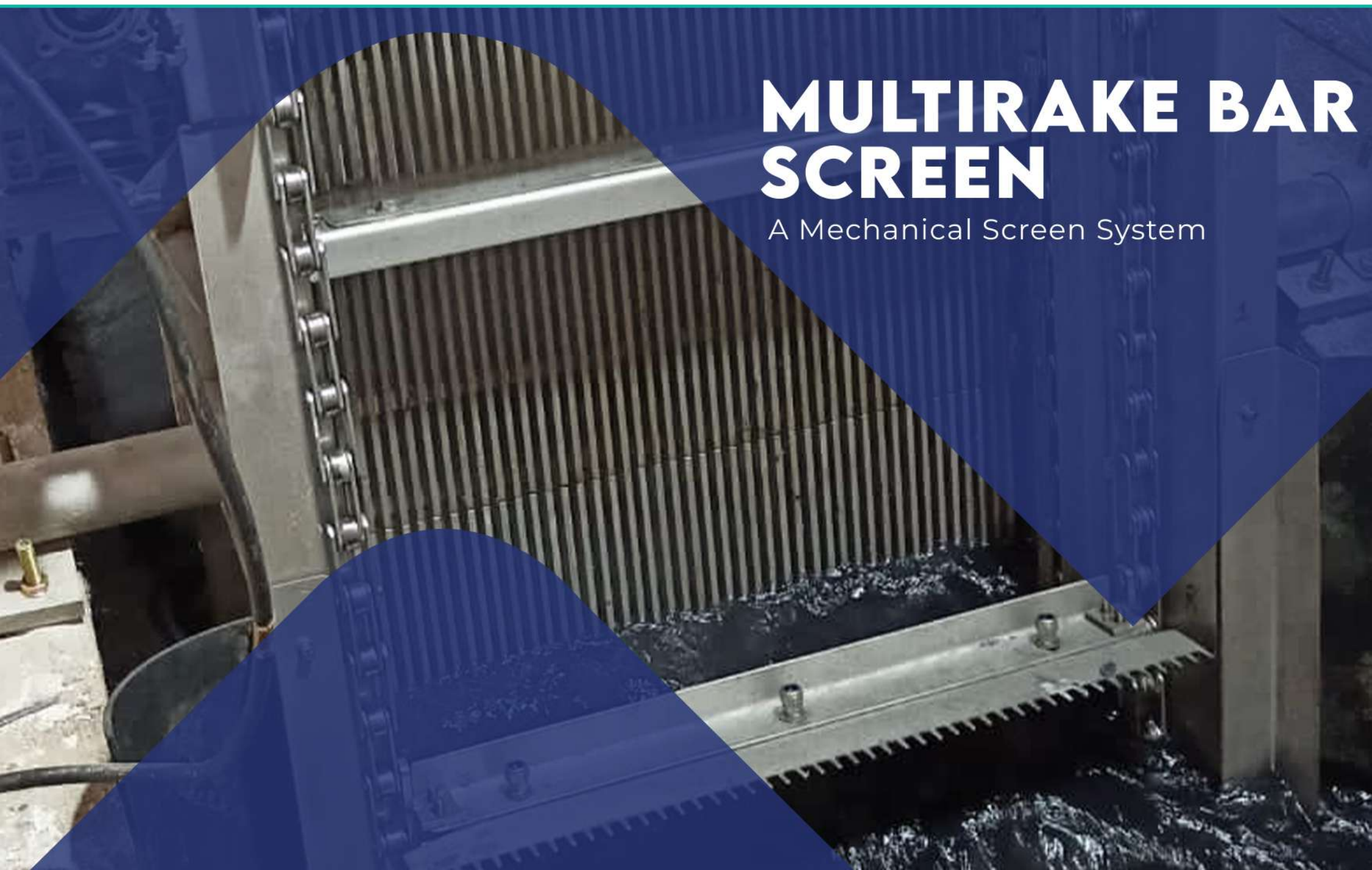


MULTIRAKE BAR SCREEN

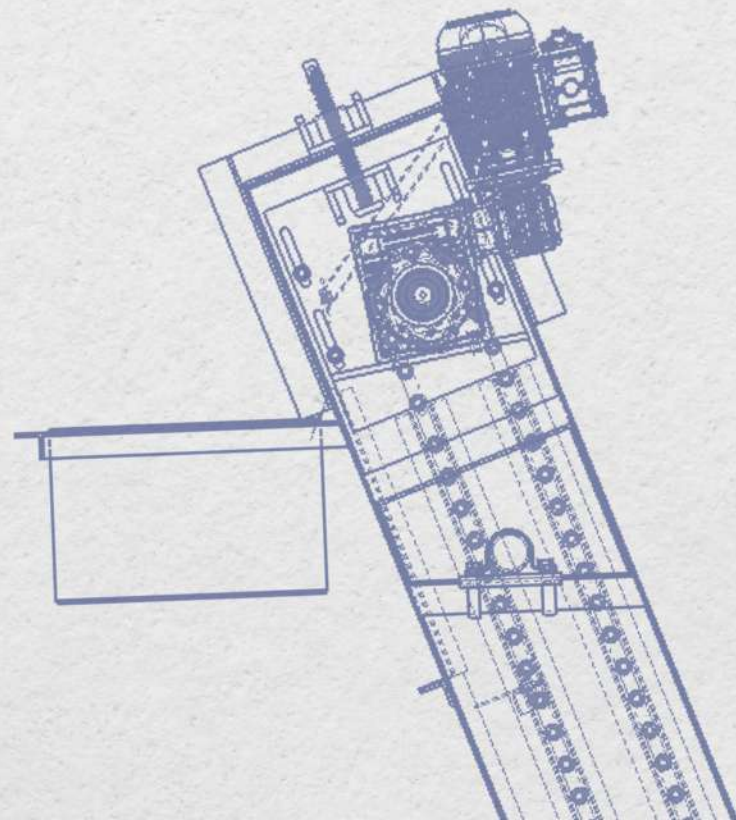
A Mechanical Screen System



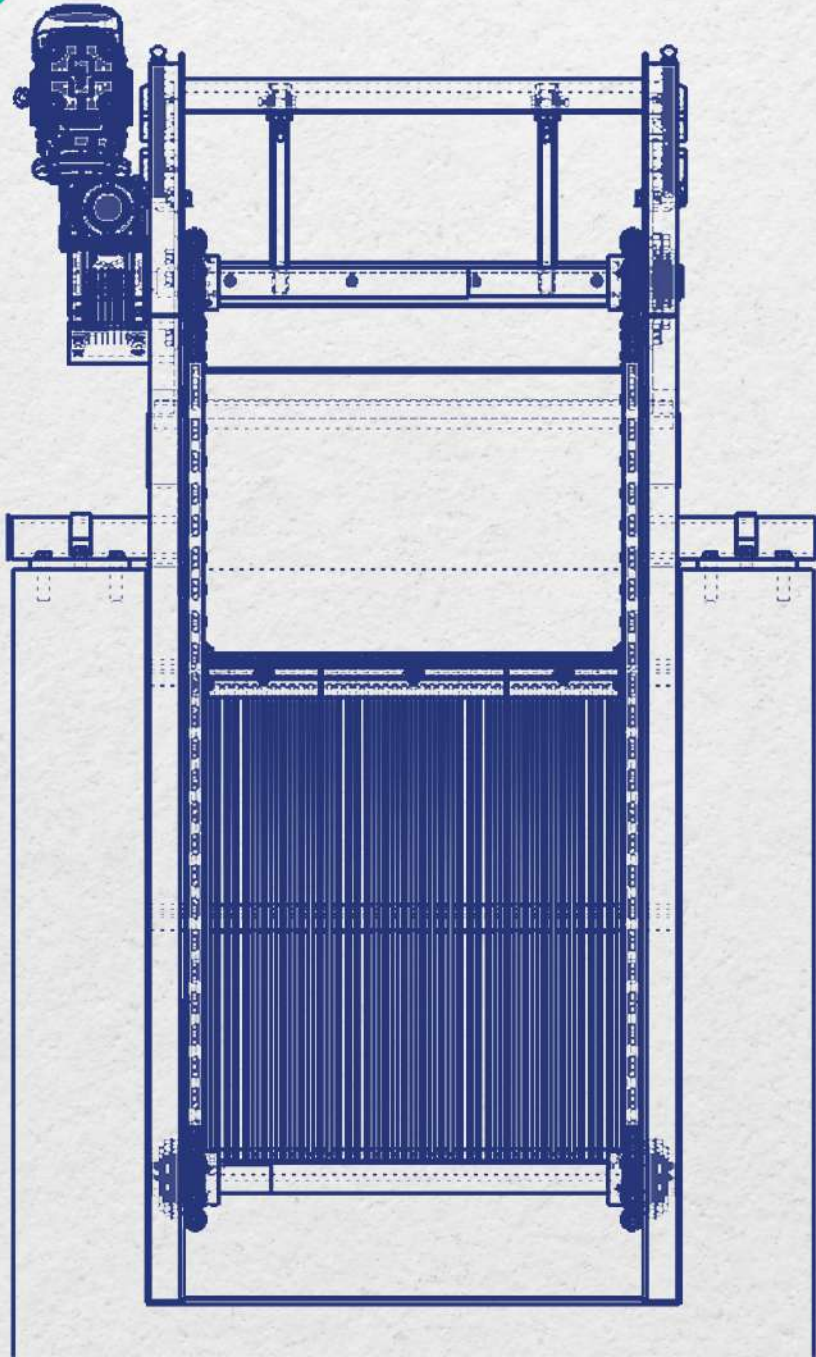


MULTIRAKE BAR SCREEN

The Incline Bar Screen is used for "screening" where the removal of waste material between 2 and 100 mm in size is required. The screenings are collected against a taper bar screen field and the waste is removed by means of a multiple rake system. The rakes pass over the screen field and in doing so remove the entrapped screenings waste which is caught between the taper bar screen field. The screenings waste is then carried by the dual chain driven rake system up the debris plate and is discharged at the top of the screen via the scraper system, and down the discharge chute for further processing.



ABOUT PROBLEM



High Head Loss

The head loss in a channel takes place due to less open area for the flow which creates high water head at upstream & low water head in downstream



Clogging of the Screen

The Floating Fabric waste, polymer bags gets stucked into the screen, which are difficult to be scraped and results in the clogging of the screen



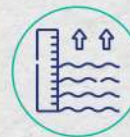
Varying Floating Waste Size

Variable sizes of the floating waste flows through the channel which are difficult to be removed



High Maintenance

Due to clogging of the waste, the scraper life is reduced & needs to be replaced again & again

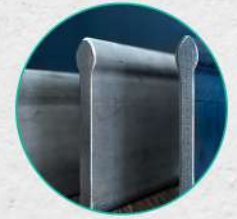
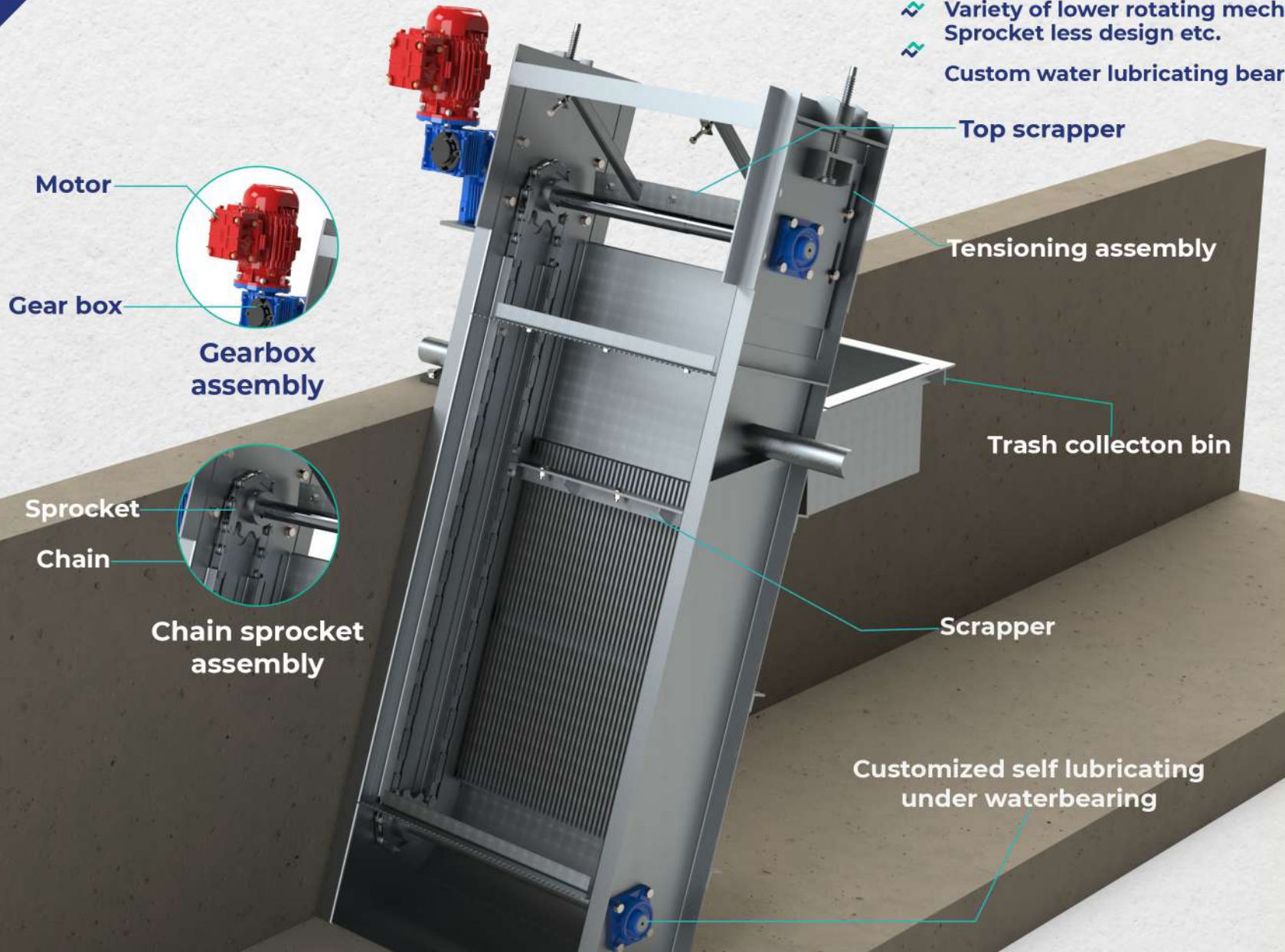


Varying Channel Dimensions

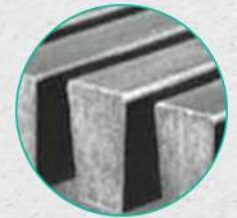
Different channel dimensions requires customization in the design according to the dimension of the channel

OUR SOLUTION

- ✔ Customized design as per client requirement.
- ✔ Variety of bar profile like Flat bar, Tear drop section bar, circular bar, Taper bar etc.
- ✔ Overload protection-Equipped with torque limiter.
- ✔ Metallic Scraper for long life.
- ✔ Inclined at 70°-90° to the horizontal.
- ✔ Variety of lower rotating mechanism like shaft less design, Sprocket less design etc.
- ✔ Custom water lubricating bearing.



Rectangular flat bar

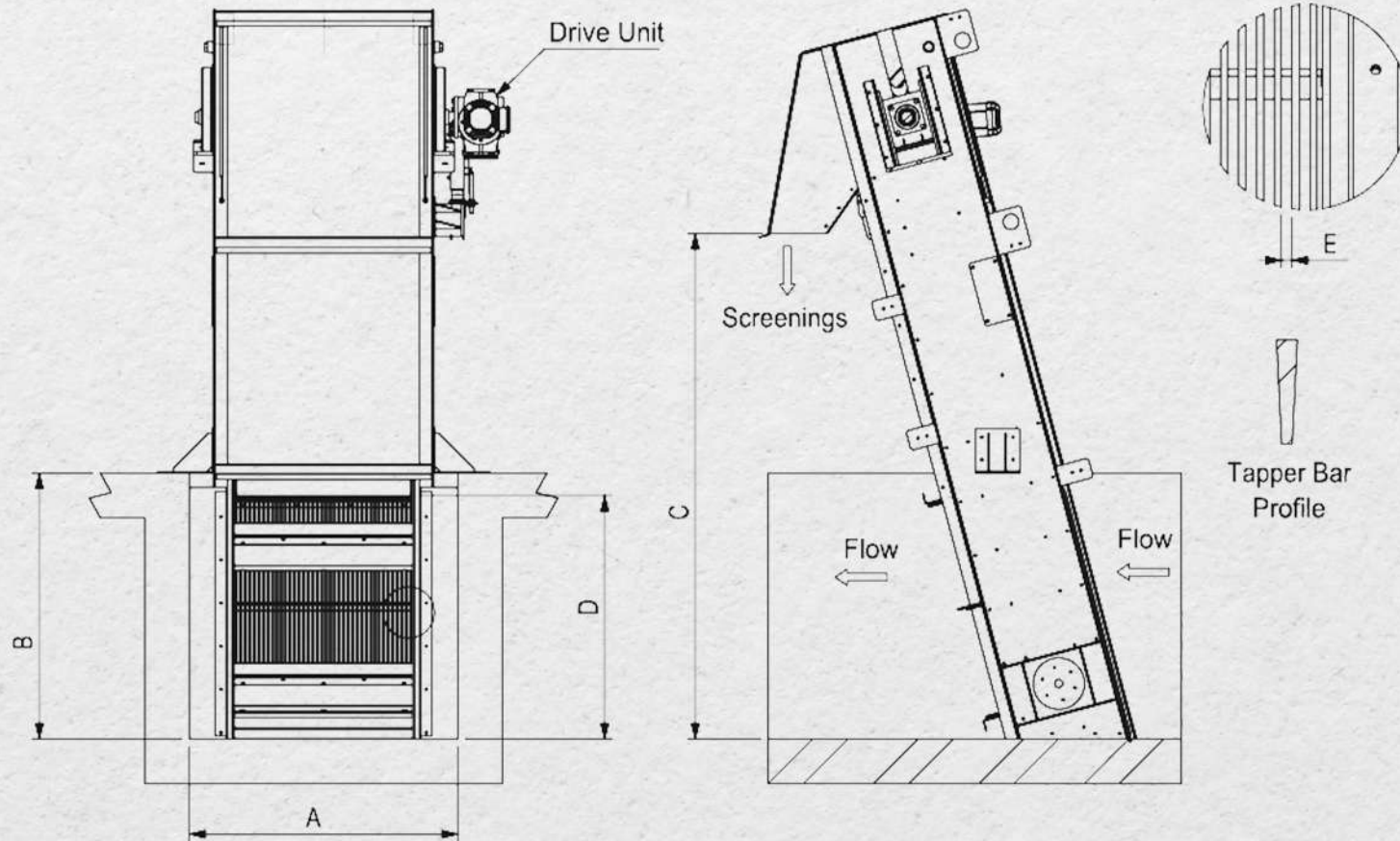


Taper bar



Tear drops Section bar

MODEL SELECTION MATRIX



BAR TYPE	MOC	MOTOR	GEARBOX	MOUNTING TYPE	ACCESSORIES
Rectangular Flat bar, Taper bar, Tear drop Section	SS304, SS316, MS	Flameproof/ Non-flameproof	Worm and Worm Wheel, Bevel Helical	Side Wall Mounting, Base Mounting	Water level sensor, Torque Limiter, Spray Nozzle



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