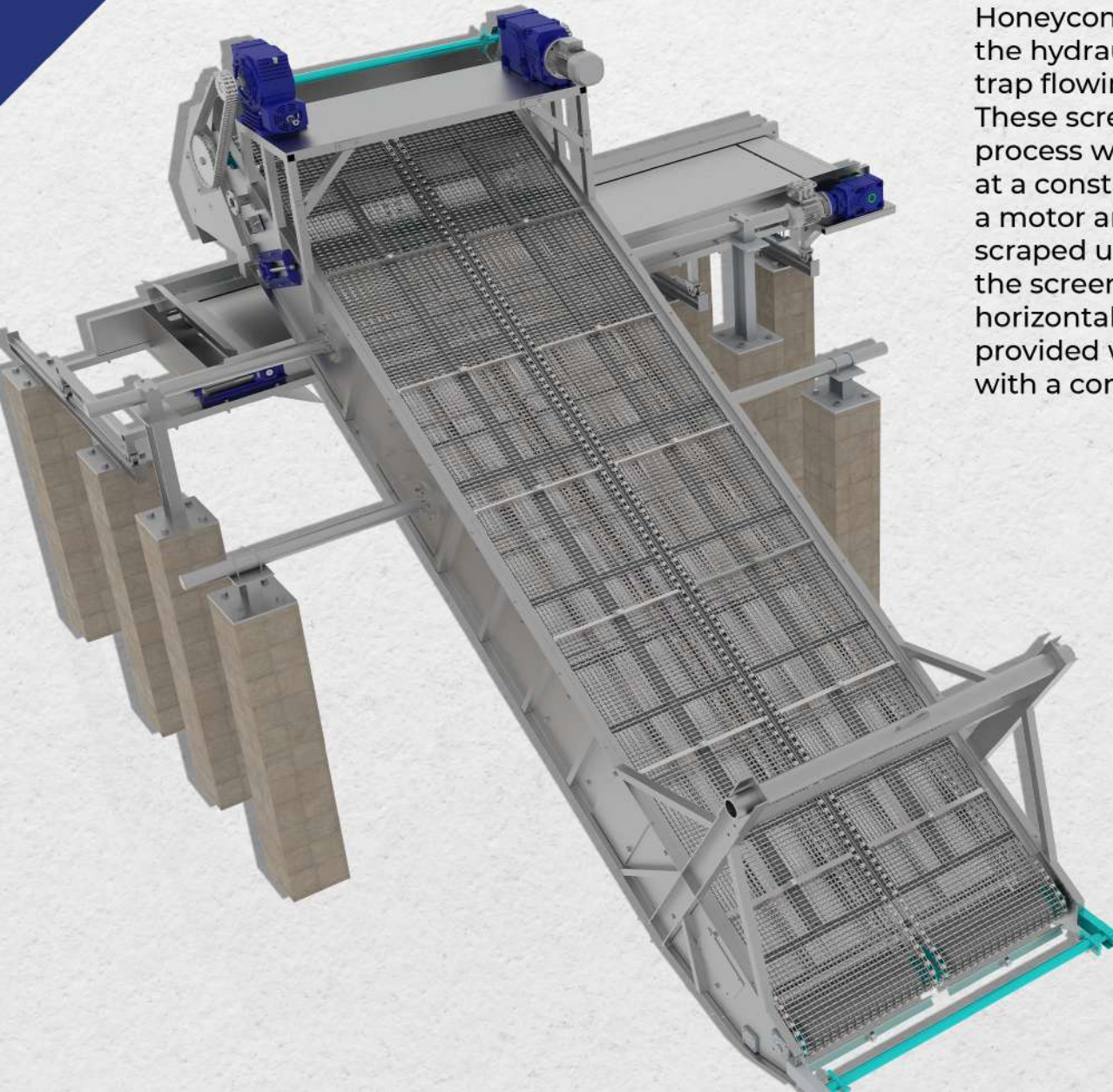


# HONEYCOMB SCREEN

A Mechanical Screen System

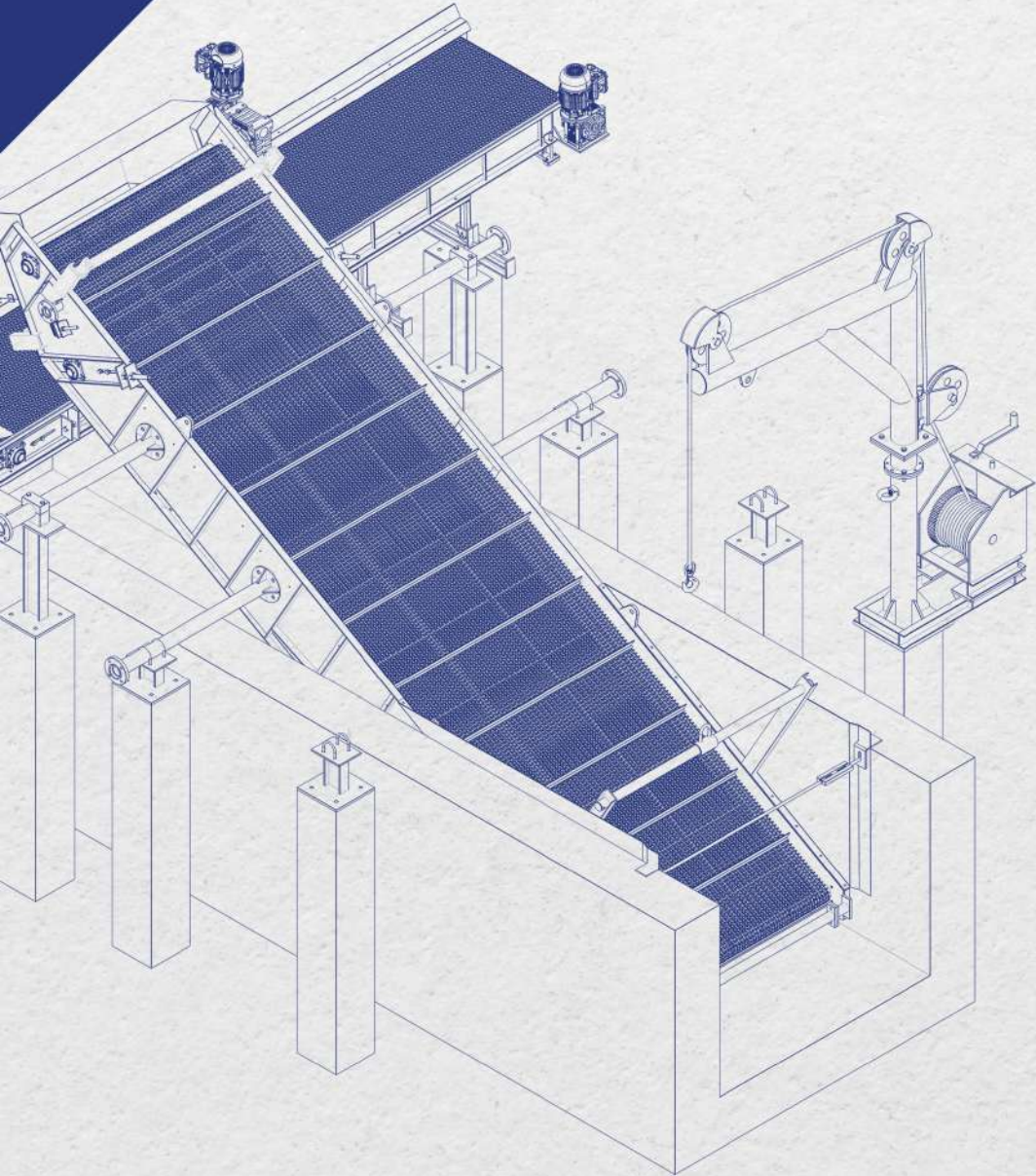




## HONEYCOMB SCREEN

Honeycomb screens are widely deployed at the entrance of the hydraulic structure, water intake, and pumping stations to trap flowing debris that could instigate downstream trouble. These screens find application in industrial, municipal, and process water screening. The inclined honeycomb belt rotates at a constant speed arresting debris, it works with the help of a motor and gearbox. The Debris on the Honeycomb screen is scraped using water jet spray and brush. The unique feature of the screen is that it is pivot mounted and can be turned to a horizontal position for maintenance. The screens can be provided with an overload protection device and equipped with a conveyor.

# ABOUT PROBLEM



## Bulky Floating debris

The Honeycomb screen necessitates a robust load capacity to manage and prevent clogging from large floating debris present in the water channel, ensuring effective filtration and uninterrupted operation.



## 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



## Difficulty in Maintenance

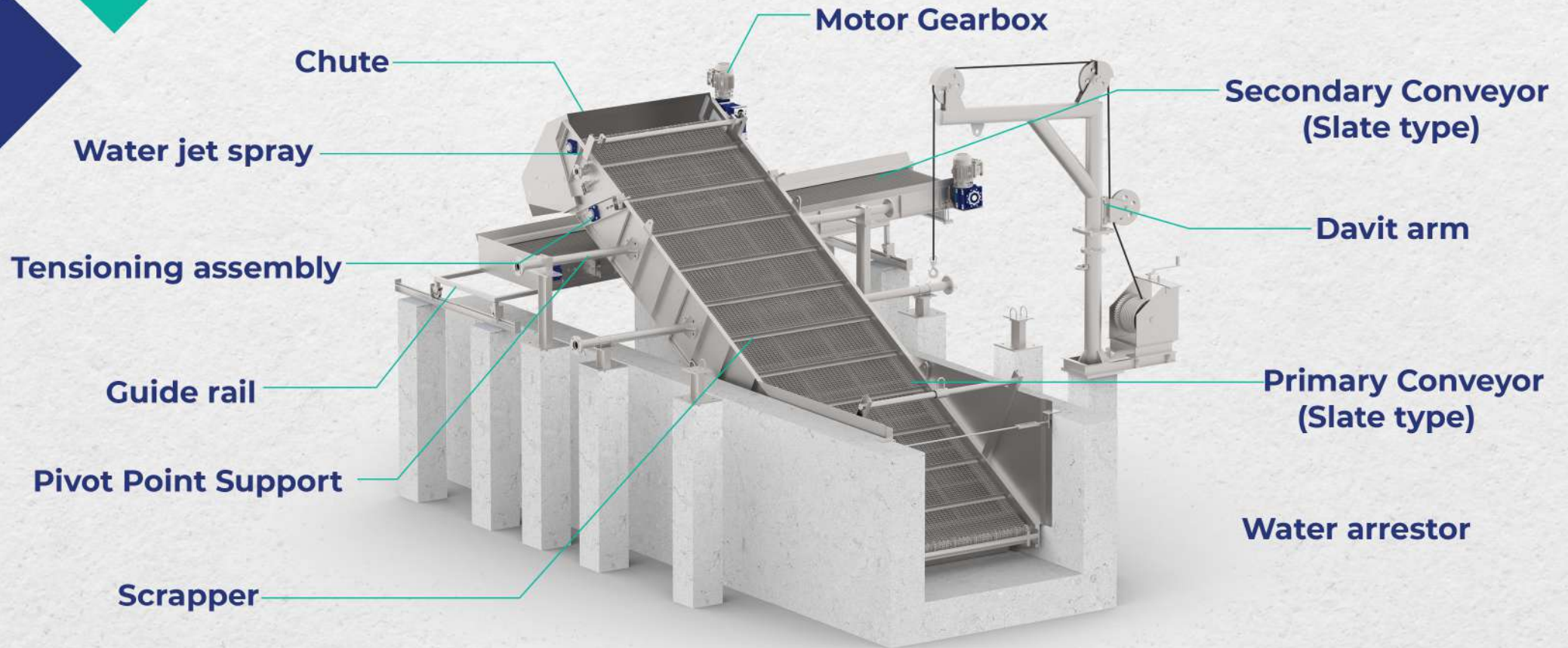
Frequent cleaning of the Honeycomb screen is essential to maintain system longevity due to its complex structure, requiring specialized attention to prevent operational degradation.



## Transferring of trash to the collection zone

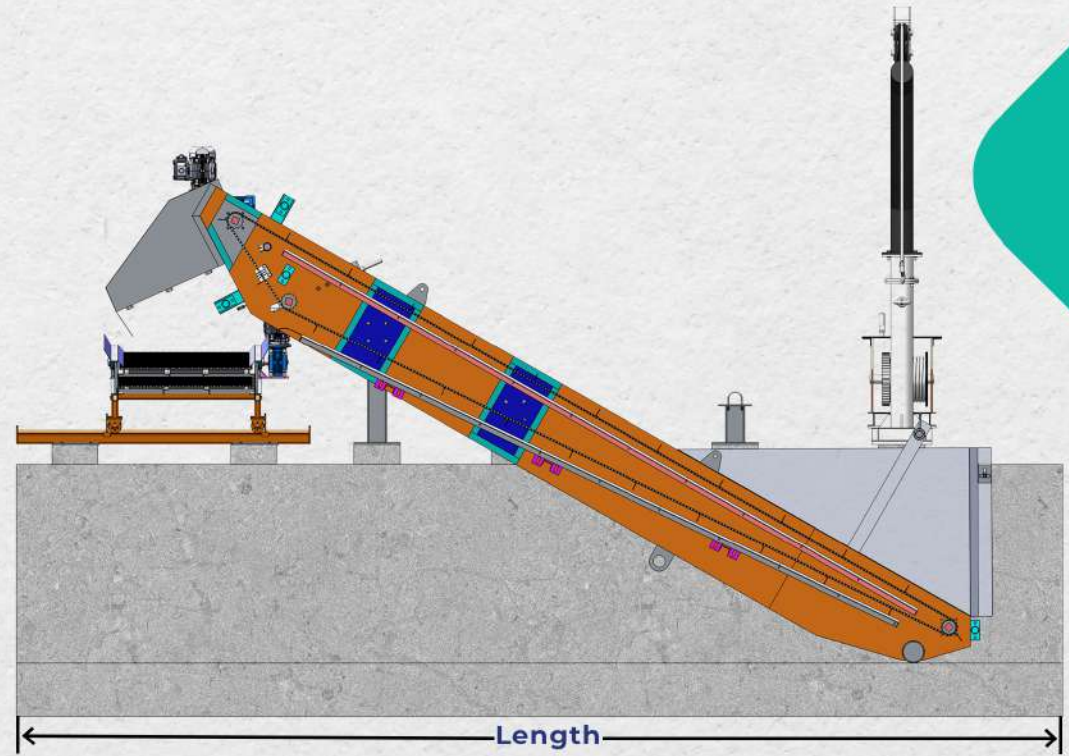
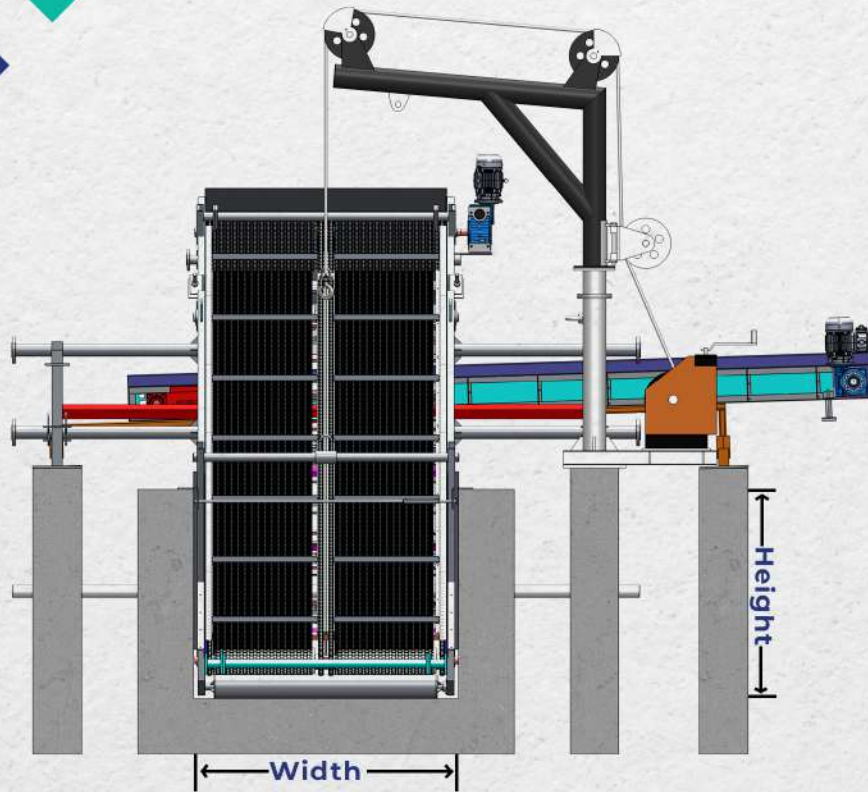
Managing and transferring bulky trash from the Potential Step Screens to the collection zone poses logistical challenges due to its volume and weight. Additional equipment or mechanisms may be required for efficient handling and disposal.

# OUR SOLUTION



- ✔ Easy To Operate
- ✔ Jet spray for complete removal of collected trash.
- ✔ Ability to rotate screen at position.
- ✔ Davit Arm for easy removal of screen from channel for maintenance.
- ✔ Dynamic Flow Intake.

# MODEL SELECTION MATRIX



CONVEYOR TYPE	CHANNEL DIMENSION	MOC	MOTOR	GEARBOX	ACCESSORIES
Honeycomb Conveyor	A (Channel Width)	SS304	Flameproof	Worm & Worm wheel	Torque Limitor
	B (Channel Height)	SS316	Non-flameproof	Bevel Helical	Davit arm with lifting arrangement
	C (Discharge Height)	MS			Collection box Conveyor Spray nozzle Brush



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