PARCHURE ENGINEERS PRIVATE LIMITED
Pollution & Process Control Equipment
Business Unit

Screens Division

Informative Guide to

MAX-CLEAN

Mechanical Multiple Rake Screen

Approved Vendor For
ATAL METROPOLITAN & RURAL TRANSFORMATION

Parchure Engineers Pvt. Limited

Screen Manufacturing Facility
Plot No. C 4-23 MIDC Jejuri, Taluka Purandar, District Pune.
Office
Sr. No. 14 Shed No. 1 , Nanded Phata , Sinhagad Road , Pune.
Website : www.peplgroup.com

Mechanical Multiple Raked Screens

Max Clean® Multiple Raked Mechanical Coarse Bar Screen for Municipal Sewage and Storm Water Pumping Stations

Sturdy | Energy Efficient | Durable

Salient Features

Bar Spacing : 10 mm to 75 mm
Rake Pitch : One Specially Designed Rake at every 2 to 3 Metre.
Fast Removal of Debris specially for High Screen Volume Areas.
Vertical Lifting Height : 0.5 Mtr. To 15 Mtr.
Material of Construction : Stainless Steel Grades AISI 316 (L) & 304.
Motor Power Requirement : 0.5 to 1.5 HP Maximum across entire range.
Controlled by : Ultrasonic Differential Level Sensing Mode and Timer Mode.
Control Panel : SS 304 – Industry Pioneer.
Simple Foot Mounted Geared Motor Drive – Ease of maintenance & operation.
Inclination Angle of 75 Degrees.
Belt Conveyor and Discharge Chute arrangement for easy debris disposal.

PEPL

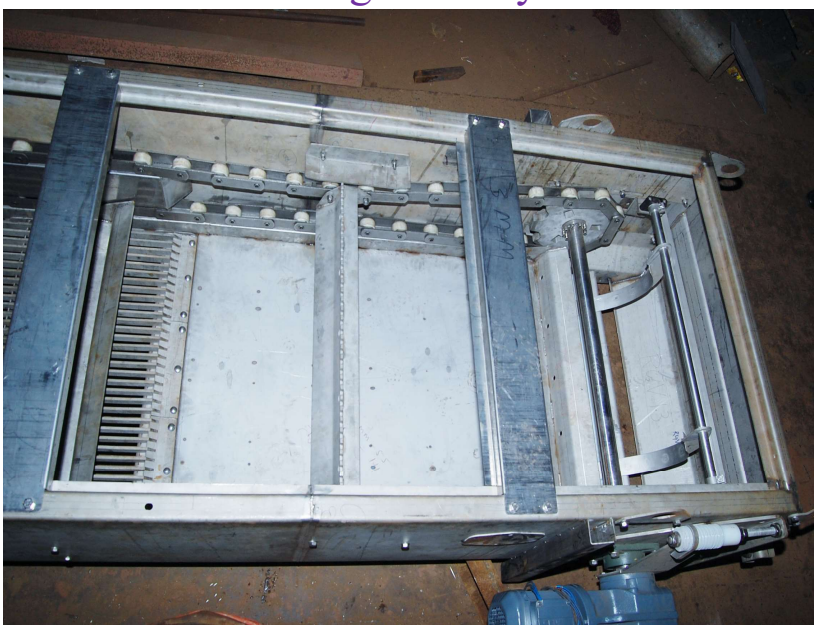
Pollution control equipment

Technical Specifications at a Glance

Bar Spacing	10 mm to 75 mm Clear Spacing
Rake Spacing	Every 2 to 3 Mtr.
Rake Tines MOC	HDPE and UHMWPE
Rake Engagement Depth	10 mm
Motor Type	3 Phase – TEFC – F Class Insulation , S1 Duty Foot Mounted Geared Motor Drive
Typical Make	Crompton Make Motor with Elecon Make Gearbox
Chain MOC	SS 316 and SS 304
Sprocket MOC	SS 316 and SS 304
Dead Plate , Support Member MOC	SS 316 & SS 304
Control Panel	Double Door Wall Mounted , Front Glass Door SS 304 Control Panel with Ultrasonic Mode and Timer Mode with Fully Integrated PLC Programmer.
Channel Depth	0.5 Mtr. To 15 Mtr.
Suited For	Applications where there is high volume of debris in the sewage and hence highly suitable for densely populated municipal plants.
Sensors	PEPL Make Ultrasonic Differential Level Uni-Sensor with PLC Programmable Interface. Proximity Sensor for Park Mode
Side Sealing	EPDM Rubber Plate Sealing for Ease of Installation and Side Leakage Protection.

Actual Images of Supplied Multiple Raked Screens at Rajasthan

Image Gallery



Discharge End of Screen Being Manufactured at our Unit

Bar Screens at the Bottom of the Screen

Screen Being Lifted for Trial

Side Mounting Plate for Screen

PEPL

Pollution control equipment

Chain Arrangement and Rake Engaged in the Screen Bars

Our Other Products

Sluice Gates in Cast Iron , Aluminum & Stainless Steel.
Clarifiers & Clariflocculators
Sludge Thickeners , Agitators and Aerators.
Mechanical Stepped Fine Screens
Belt Conveyors
Mechanical Coarse Mono-Rake Screens

Parchure Engineers Pvt. Limited
Pune

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