

# *Rotary Drum Screen Or Internally -Fed Rotary Drum Screen*



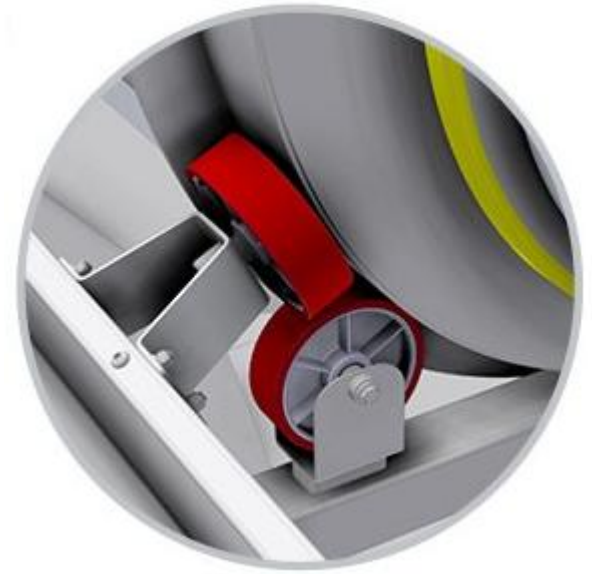
## Internally -Fed Rotary Drum Screen:

We have a range of Internal Fed Rotary Drum Screen & designed as per the customer requirements. Drum Screen are available in perforated Sheet and Wedge Wire Construction. Our Screen also consists of a rotating wedge wire drum with slots starting from 0.10mm up to 10mm which run down the length of the drum allowing for screening from inside to out. The screen is composed of a perforated plate whose holes diameter is as big as the desired openings size.

### Operation: -

The drum is supported by nylon wheels, and it is operated by a gearbox. The effluent enters the inside of the rotating drum through the feed inlet and then passing over the distribution weir on to the drum surface. The particles and water separate as the drum rotates with the solids staying on the screen and passing down the length of the drum helped by internal flights or a continuous scroll.

System contains an external pressurized water spraying system to help keep the drum clean and avoid clogging. During the screen operation, the water is conveyed towards the outlet placed in the front of the machine, while the screening is transported through the spiral towards the screening outlet installed in the back of the machine. The screen special inclination towards the outlet contributes to the dewatering of screening.



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## Application:

### Industrial Application

- Poultry, meat, and fish processing
- Fruit and vegetable processing
- Pulp and paper
- Beverage (beer, wine, juice, etc.)
- Recycling (plastic and metal)
- Dairy
- Biogas sludge screening
- Fiberglass

### Municipal Applications Water & Waste water

- Primary screening
  - Fine screening prior to membranes
  - Septic screening
  - Sludge screening
  - Sludge thickening
  - Reject water screening
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## Features & Benefits

### Process Features

- Enhances performance of subsequent processes in wastewater treatment plants
  - Less Moving Parts – No or Very less Maintenance.
  - Full covering ensuring safe, dry, odor-free operation.
  - Reduces operating cost of the subsequent treatment stages.
  - Reduces need for cleaning
  - Enhances performance of subsequent processes in wastewater treatment plants
  - Self Cleaning During the Process.
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### Technical Features

- Low energy consumption
  - High degree of separation
  - High operational reliability
  - Good utility in many applications.
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## Other Products

- Single Rack Screen
  - Multi Rack Screen
  - Small Screen Or Mini Screen
  - Screw Screen
  - Screw Screen With Box
  - Arc Screen Or Arm Screen
  - Manual Screen
  - Static Screen
  - Externally-Fed Screen
  - Basket Screen
  - Vertical Screw Screen
  - Static Mixer
  - Clarifier
  - HRSCC
  - Thickener
  - Agitator
  - Flocculator
  - Tube Settler Clarifier
  - Lamella Clarifier
  - Bag Filter Housing
  - Cartridge Filter Housing
  - Fabricated Strainer
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### Register Address: **Envifab Equipments**

Saffron/1, Shukan-6 Apartment,  
Opp. Sciencecity, Sciencecity Road,  
Sola, Ahmadabad - 380060

**(M)** 9426689986

**Email:** [envifabsales@gmail.com](mailto:envifabsales@gmail.com)

**Web:** [www.envifab.com](http://www.envifab.com)

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### Work Address:

B -63, Bileshwar Industrial Estate, Part: 2,  
Opp. Gujarati VepariMahaMandal,  
S.P. Ring Road, Odhav,  
Ahmadabad: 382415

**(M)** 9913824579

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Saffron/1, Shukan-6 Apartment,  
Opp. Sciencecity, Sciencecity Road,  
Sola, Ahmedabad – 380060

[envifabsales@gmail.com](mailto:envifabsales@gmail.com)