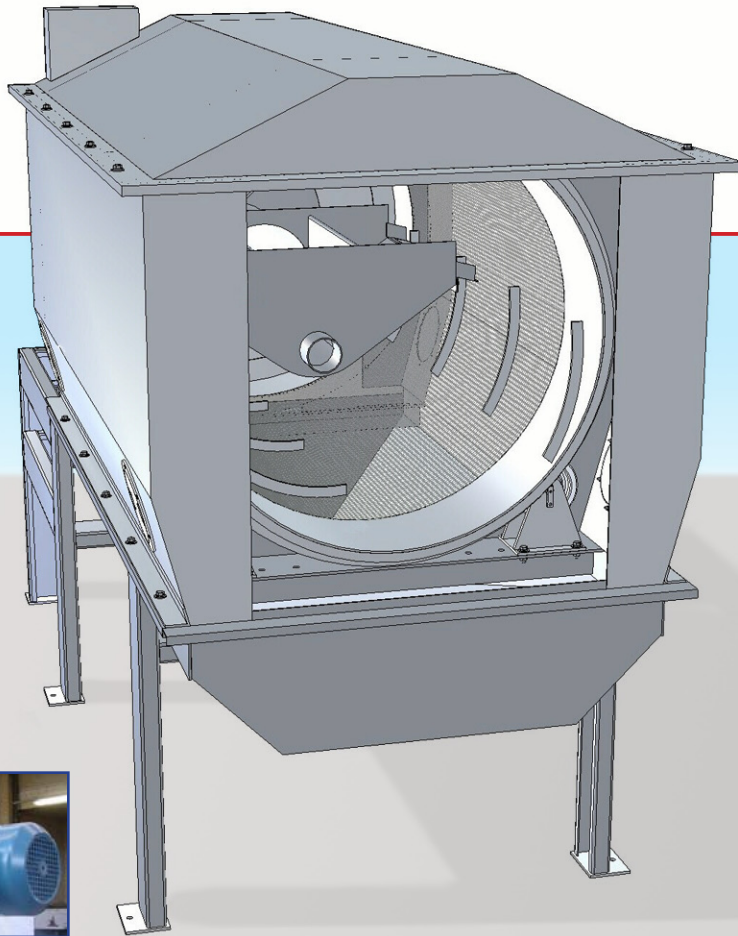


CleanFlo™ SHEAR Internally Fed Rotary Drum Screen



For years, **Rotary Drum Fine Screens** have been the industry's choice for applications requiring high solids removal efficiency at an economical cost. WesTech innovation offers **direct drive** propulsion for drum rotation, eliminating the messy and maintenance-prone chains and sprockets.

The primary advantage of drum screens is eliminating debris carryover. Debris remains inside the screen until discharge. Unlike conventional moving media screens, there are no seals with a drum screen. In addition, there is no chance for debris to bypass the screen medium.

The **CleanFlo™ Drum Screen** can be manufactured to suit virtually any screening application. Screen mediums are available in stainless steel wedge wire, woven mesh or perforated plate. Selection is based on many factors, including application, type of solid, screening efficiency, flow capacity, and owner preference.

Screen openings can range from 0.010" to 1/8" with clean water flow capacities up to 20 MGD.

APPLICATIONS

- Solids removal to protect downstream process and equipment
- Primary treatment in lieu of clarifiers
- Solids recovery in industrial process streams
- Total effluent treatment for industry prior to discharge to a municipal system
- Fine screening prior to membrane treatment
- Applications containing stringy or fibrous debris
- Sludge screening
- Sludge thickening

Why Direct Drive

By eliminating the chain drive, we remove the problems associated with chain drives such as chain stretch, chain corrosion, lubrication, and tracking problems.

Maintenance is simplified by eliminating chain adjustments; both over- and under-tensioning are common chain-related problems.

Our heavy duty direct drive unit is mounted above the cylinder for improved accessibility. Drum tracking is smooth and consistent. Shock loads to the trunnions are reduced, maximizing trunnion wheel life. A "soft start" feature is standard for better gear and motor life.

Screen Cleaning

Screen cleaning is accomplished by high pressure water sprays through the screen from the clean side. Spray water can be minimized through the use of an indexed spray bar.

Cross flow screening

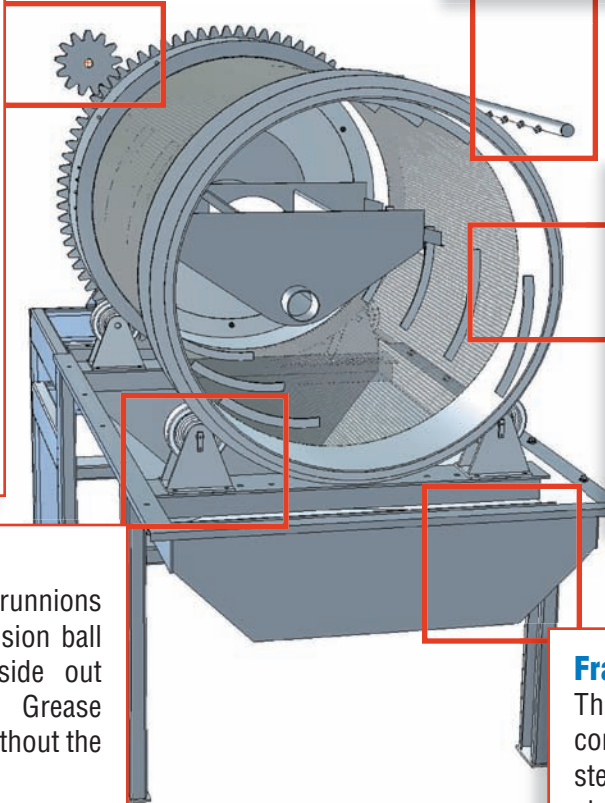
The screening surface of the drum screen is perpendicular to the flow of the incoming stream. The cross-flow effect self cleans and minimizes solids from binding and adhering.

Trunnions

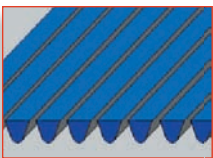
The screen is supported by oversized trunnions at each end of the drum. Sealed precision ball bearings are lubricated from the inside out through a center shaft lubrication port. Grease can be applied at an external manifold without the removal of covers.

Frame

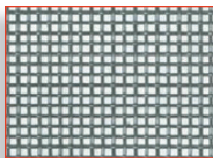
The main framework is constructed of 1/4" stainless steel formed plate and structural shapes to provide freestanding support for the screen.



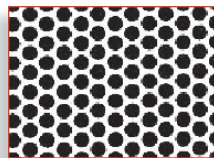
Types of Screening Mediums Available



Wedge Wire
0.010 – 0.120"



Woven Mesh
150 μ - 1 mm



Perforated Plate
1 – 25 mm

Model Selection - Dimensions (inches)

Model	Length	Width	Height*	Screen Diameter
IW34	115"	50"	56"	36"
IW36	139"	50"	56"	36"
IW45	149"	64"	64"	48"
IW47	173"	64"	64"	48"
IW58	188"	80"	80"	60"
IW510	212"	80"	80"	60"
IW513	252"	80"	80"	60"

Contact Factory for Other Sizes



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Represented by: _____

