

HEAVY DUTY DEWATERING SCREENS



NESANS

Nesans Mining and Automation Private Limited
Coimbatore, India

With Proven Efficiency and competency NESANS SW D Series Dewatering Screens are benchmarks in screen media technology and screen design

One Solution

Nesans M&A extensive knowledge of the dewatering process has enabled it to create a range of dewatering screens that ensure an accurate removal of water without losing a high percentage of mineral fines with its precision-engineered aperture sizes from as small as 0.5 mm



Excellence in Engineering

Our engineers have utilized the latest screen design technology, their collective experience and “Finite Element Analysis” to develop the D Series Dewatering Screens. Supported by our robust Classic modular screen media systems, the Nesans dewatering screens have been specifically designed to meet the rigorous demands of the market.

Applications

Dewatering Screens have a wide variety of applications including dewatering, desliming, degritting, rinsing, scrubbing and washing. They are designed to produce a consistent drip-free product, which is typically 10 percent drier than a Fine Material Screw Washer. Materials such as sand, gravel, crushed aggregates, frac sand, industrial sands, mineral sands, hard rock, precious metals, coal, iron ore, salt and other granular materials can be processed through a Dewatering Screen.



How it Works

To dewater material effectively, slurry is fed onto a steep, downward inclined screen surface at the feed end of the Dewatering Screen to achieve rapid drainage. A pool of water begins to form in the valley as material builds up on the slightly upward inclined surface. Counter rotating motors create a linear motion, driving solids uphill, while liquid drains through the screen media. The uphill slope of the screen, along with a discharge weir, creates a deep bed that acts as a filter medium, allowing retention of material much finer than the screen openings.

Polyurethane Panels - Quick and Easy Replacements

Nesans SWD Series Dewatering Screens are designed for minimal maintenance, with no cutting or welding required. They require little operator training when installed, and produce minimal noise. The use of modular polyurethane panels ensures quick and easy replacement when necessary, thus minimizing maintenance time.

In addition, our range of dewatering screens utilize two high frequency vibrating motors to ensure maximum dewatering of the final product. Nesans M&A's highly experienced team of sales engineers, technical specialists and production experts will work closely with you to choose, install and customize your dewatering screens.

Capacity Chart

Model	L X W (mm)	Capacity (tph)	Power Required (Kw)
SWD 1209	1200 X 900	25	2 X 1.1
SWD 2509	2500 X 915	30	2 X 2.2
SWD 1510	1500 X 1000	40	2 X 1.8
SWD 1812	1800 X 1200	63	2 X 2.2
SWD 2012	2000 X 1200	75	2 X 3.0
SWD 2512	2500 X 1200	90	2 X 3.7
SWD 2515	2500 X 1500	100	2 X 5.0
SWD 3015	3000 X 1500	125	2 X 7.5

Features

- Variety of screen sizes
- Custom sizes to fit your plant
- Low moisture content
- Goodyear rubber suspensions for long life
- Highest quality vibrating electric motors

Advantages and Benefits

- Designed for high-frequency, low amplitude applications
- Minimize pegging and blinding with optimized designs
- Manufactured with secure screen fastening systems
- Designed for improved wear life in tough operating conditions
- Dewatering screens available in a wide range of apertures and panel thicknesses to suit any mineral application
- Reduced running costs as only worn dewatering screen panels need to be replaced
- Quick and simple installation and removal



Get in Touch

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Our Range of Products

Vibratory Feeders

Grizzly Feeders

Pan Feeders

Belt Feeders

Horizontal Shaft Impactor

Roller Crushers

Linear and Eccentric Vibratory Screens

Wet Screens

Sand Washing Bucket Classifiers

Screw Classifiers

Complete Conveyor Solutions

Holistic Plant Automation

Variable Speed Drives and Process Automation

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