

PROBABILITY SCREEN – PS SERIES

GMX Probability Screen (PS)

The PS Series is designed based on the principle of probability screening, using multi-layer screens with steep and varying inclination angles to achieve efficient particle separation. It is ideal for high-capacity screening tasks involving materials with a high content of coarse particles.



PS Series

FEATURES

- High capacity and rapid particle flow
- Ideal for large-scale screening tasks
- Effective prevention of blinding
- Robust and space-saving construction
- Quick screen mesh replacement
- Adjustable flow rate
- Energy-saving and dust-proof design
- Low maintenance requirements

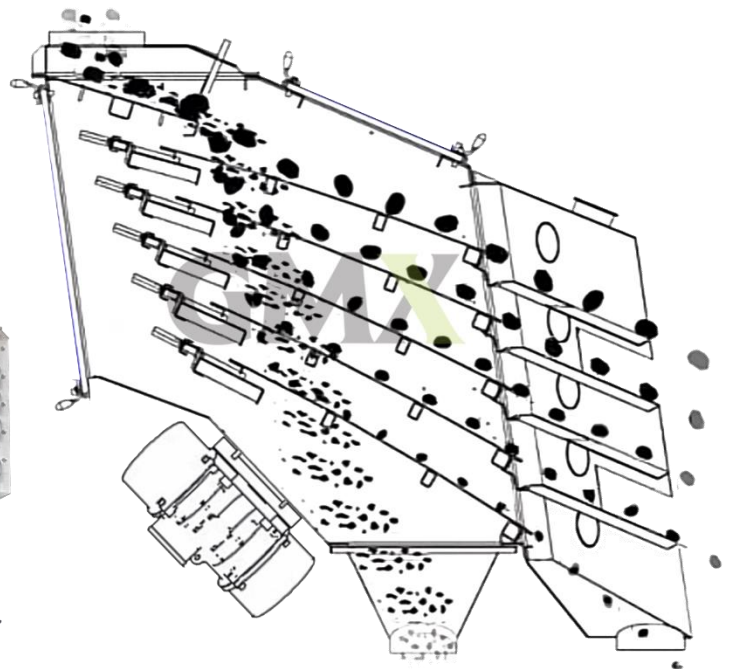
HOW IT WORKS

The PS series can be equipped with up to 5 screen decks with varying inclinations and decreasing mesh sizes downwards.

This machine features two powerful vibrator motors mounted on a rigid common base. When the two motors operate at the same frequency and in opposite directions, they automatically synchronize to generate a linear motion.

Fine particles quickly pass through the upper decks, while coarser particles are effectively discharged from the material flow.

The inclination of screen panels create an effect similar to smaller mesh sizes, allowing for larger openings than traditional flat screens without sacrificing separation precision.



Types		PS 1225	PS 1236	PS 1536	PS 2036	PS 2236
Mesh surface	mm	1200×2,500	1,200×3,600	1,500×3,600	2,000×3,600	2,200×3,600
Engine performance	kW	2×1.5	2×3	2×3	2×3.7	2×3.7

Datasheet

Mesh openings	200mesh-50mm
Max capacity	200 t/h
No. of decks	1-5
Screen Slope	15-30°
Operating speed	1000 / 1200 rpm (at 50Hz / 60Hz)
Amplitude	5-8 mm

