GYRATORY SCREEN – GS SERIES

www.gmxvibra.com
info@gmxvibra.com
Tel. / WhatsApp:
+86 181 1739 6287

DESCRIPTIONS

The GS series is an advanced industrial screening machine that generates a low-angle gyratory vibration motion close to a level plane, moving in a reciprocating side-to-side pattern. The largest model in this series offers a screen area of nearly 7.2m² per layer and can be customized with a multi-channel design and up to 12 screen layers. The unique design provides a high-throughput screening solution for industries requiring precise screening.

FEATURES & ADVANTAGES

Enhanced Capacity

The GS series is designed to provide maximum screening capacity for every square foot of screen area.

- The largest model in the GS series offers up to 12 screen layers, each with a screen area of nearly 7.2m². This machine can be customized with a multi-channel design to double its capacity.
- The GS series achieves a maximum rotation speed of 320 RPM, significantly surpassing the 180 RPM limit of conventional large screeners.

High Screening Efficiency

- The feed box design ensures that powder materials are evenly distributed across each channel and spread evenly before contacting the screen.
- The unique gyratory motion allows materials to remain on the screen longer, ensuring optimal screening effectiveness.

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Quick Screen-change System

- The GS series is equipped with hinged doors on both sides, allowing operators to quickly open and lock the system with effective dust control.
- Screen tensioning devices make it easy for operators to install hook-style screens inside the machine and adjust the tension from outside.

This system enables two operators to inspect, replace, and tension a screen within minutes, significantly reducing downtime and boosting productivity.

Less Blinding

- Each screening layer is equipped with hundreds of high-elasticity silicone bouncing balls, optimally distributed as spherical and irregular shapes within each grid.
- The gyratory motion drives the captive balls to strike the underside of the elements repeatedly, clearing trapped sticky particles and near-sized obstructions.

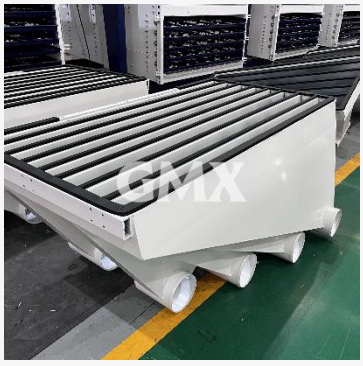
Longevity and Durability

The maintenance-free high-performance drive and dynamic hanger system ensure that the GS series is built for long-lasting, reliable operation across various applications, requiring minimal maintenance.

Perfect Dust-Proof

The feed box door and discharge door are equipped with customized internal seals, and flexible sleeves are used to connect the inlet and outlet.

This configuration provides complete dust-proofing, ensuring sanitary operation and preventing foreign matter intrusion.



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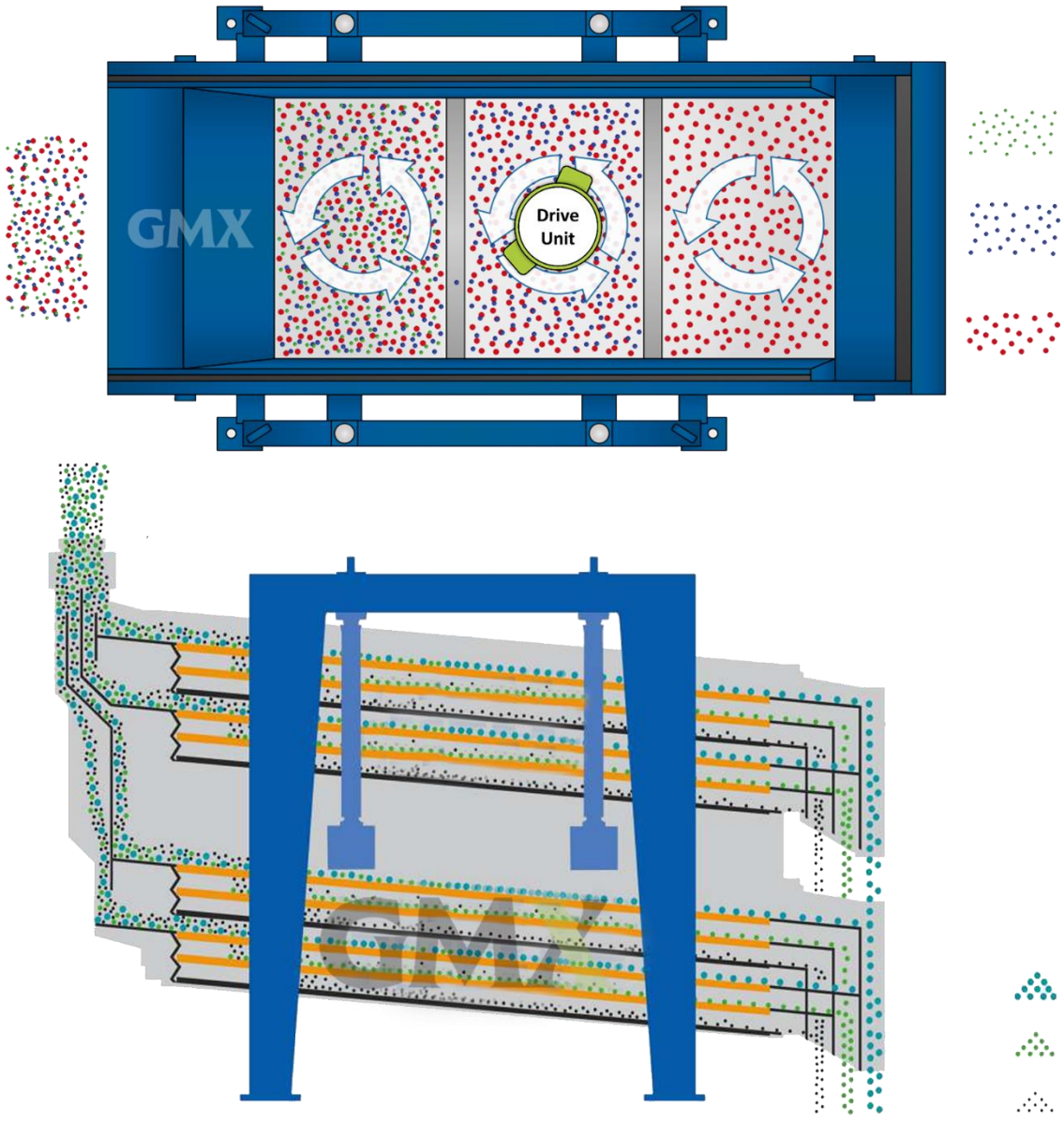
GMX Gyratory Motion

The centrally positioned drive unit in the GS series generates a gyratory motion across the entire screener, increasing material retention time and ensuring thorough contact with the screen surface.

This unique motion not only enhances screening efficiency but also protects fragile materials from damage.

Additionally, the GS series enables rotation speed and stroke adjustments tailored to material characteristics, maximizing screening performance.



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Datasheet	
Mesh opening	150 mesh – 5mm
Max capacity	20 t/h
Operating speed	280-320 rpm
Screen slope	5°
Anti-blinding devices	Bouncing balls

Types		GS 50	GS 70
Mesh surface / deck	mm	150×360	200×360
Engine performance	kW	5.5	7.5/11
Weight	t	3.6-5.1	4.6-9.5
No. working streams		1	1-4
No. screen decks		1-6	1-12

Dimensions

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Measurement

Types		A (Overall Length)	B (Overall Width)	C (Overall Height)
GS50S11	mm	4,200	2,260	1,585
GS50S12	mm	4,243	2,260	1,720
GS50S13	mm	4,253	2,260	1,855
GS50S14	mm	4,450	2,260	1,990
GS50S15	mm	4,530	2,260	2,125
GS50S16	mm	4,650	2,260	1,990
GS70S11	mm	4,300	2,720	1,482
GS70S12	mm	4,320	2,720	1,617
GS70S13	mm	4,117	2,720	1,748
GS70S14	mm	4,373	2,720	1,880
GS70S15	mm	4,570	2,720	2,125
GS70S16	mm	4,690	2,720	2,260
GS70S21	mm	4,823	2,720	1,942
GS70S22	mm	4,854	2,720	2,210
GS70S23	mm	4,866	2,720	2,710
GS70S24	mm	4,900	2,720	3,000
GS70S25	mm	4,838	2,720	3,232
GS70S26	mm	4,887	2,720	3,435
GS70S31	mm	4,821	2,720	2,235
GS70S41	mm	4,814	2,720	3,232

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