



APPLICATION: PERLITE SCREENING



GYRATORY SCREENER FOR PERLITE
SCREENING

DOING THE FINNAL INSPECTION BEFORE
DELIVERY FROM WORKSHOP



MATERIAL FEATURES:

Expanded perlite has wide application in the world such as filter, water conservation, heat isolation etc.

The expanded perlite is very light, the bulk density about between 100KGS to 300KGS per cubic meter.

SCREENING APPLICATION

Because the expanded perlite bulk density is very little, so the high frequency screener is not suitable for the perlite powder screening, if with high frequency screener, it will bring too much dust into the air so decrease the screening efficiency.

So the MHG model gyrotory screener with low frequency and large stroke suitable for expanded perlite screening, it could handle the expanded perlite with large capacity and high screening precision.

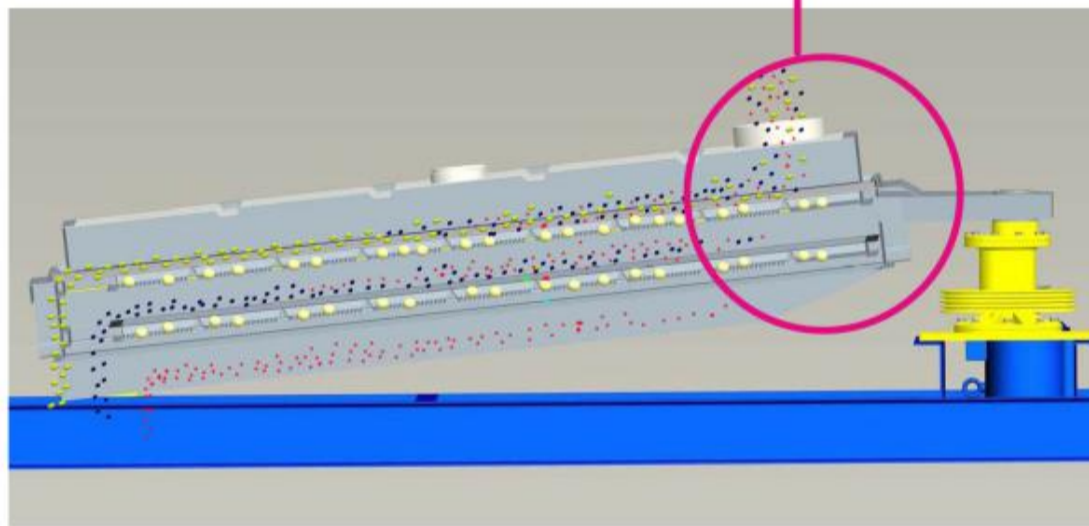
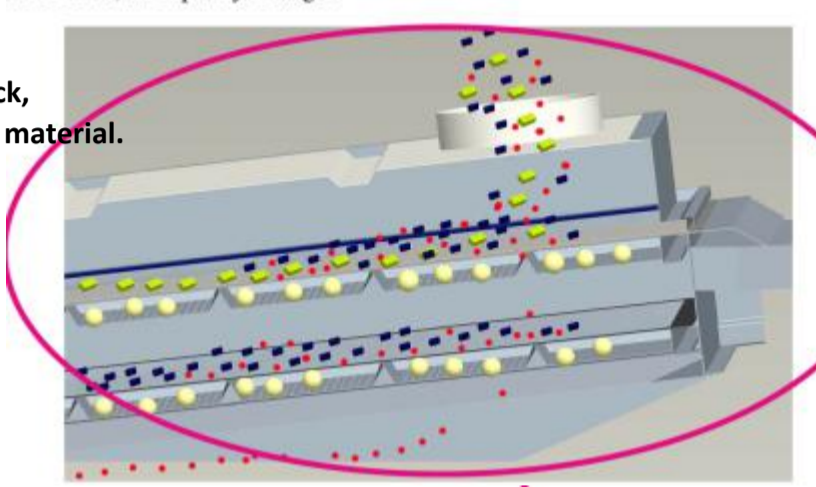


Working Principle

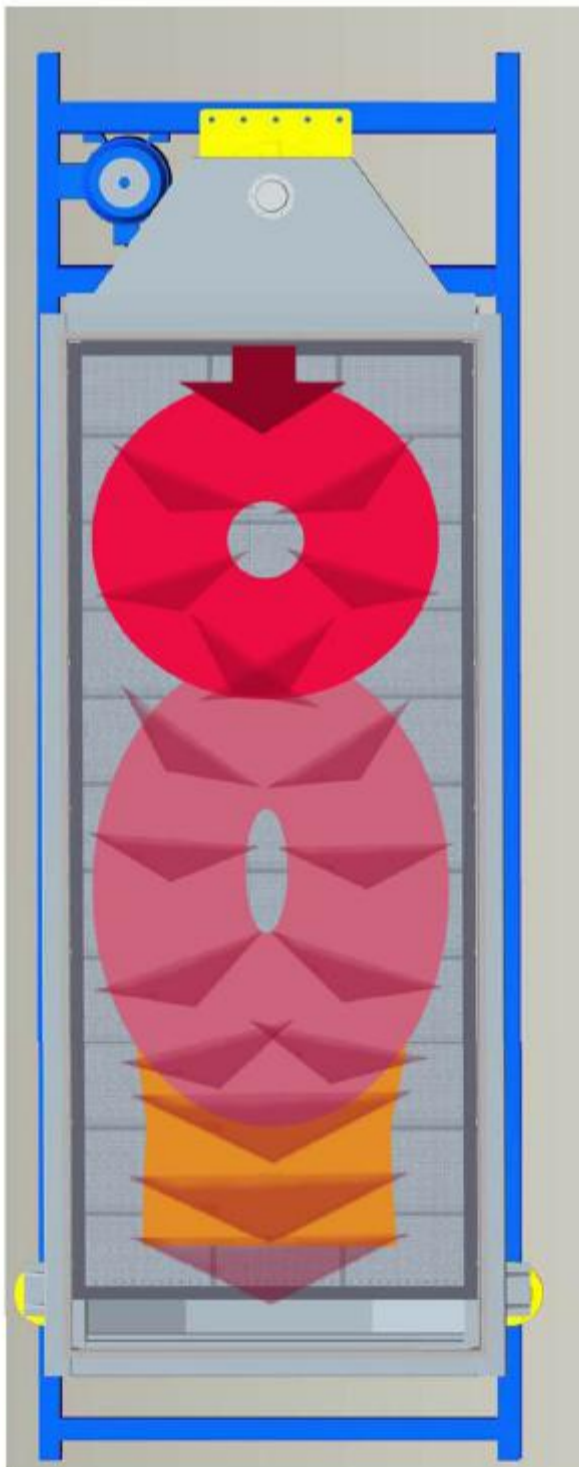
M series Gyrotary Screener is one kind precision screening equipment, it could screen particle shape material, powder material and irregularly shape material. Compare with other heavy duty screener, its screening precision is higher , compare with other precision screening equipment, its capacity is larger. So our M serial Gyrotary screener could meet the specific on large capacity and high screening precision.

The pictures show how the gyrotary screener work with two layer mesh deck, The screener could separate the material into three size specification scope material. Our M series gyrotary screener could be with 1-5 layer mesh deck.

Remark: Because the Screener deck with low slop angle ,so the projection size of the screener mesh aperture to ground is similar with the fact screen mesh aperture size, so the screened material could meet customer's request more.



Material flow motion path



When material fall into the inlet of the M series gyrotary screener, the baffle and distributor will distribute the material materials first,the material movement is the reciprocating gyrotary motion

Stage 1 When the material fall onto the gyrotary screener deck, the material will disperse soon until the material bed will cover screen mesh along the screen width.

Stage 2 The material bed thickness is suitable for screening after first stage material distribution, and the material movement path become the elliptical from circle, the most material screening work will be done in this stage.

Stage 3 After first two stage screening, the material screening work almost finished in this stage, the material movement path become linear from elliptical, the movement path distance will be short and the material will flow out from the outlet soon

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MH Gyrotory Screener Installation Method



MHG series gyrotory screens is similar with M serial gyrotory screen such as the screening principle, screening efficiency and application, just except the screen deck structure.

In some customer application technical process, the customer need always renew the screens mesh, if the renew time for screening mesh is too long, or it is very difficult for replacing the screen mesh, it will take too much time for stopping the equipment work if replacing mesh for several times, so it will affect the production output at last, the MHG series gyrotory screens is for solving above problem, and the MHG gyrotory screen has following features:



MHG Gyrotory Screen waiting for delivery in workshop



MHG Gyrotory Screen in workshop



MHG Gyrotory Screener Major Structure

Screener Deck



The side door gyrotory screener deck is one combination structure that consist of screener mesh , self-cleaning ball and support deck frame.
The screener mesh be fixed on screener ball tray directly.

Mesh changing



The mesh fasten method

The mesh sheet is one independent one parts, it put on the ball tray

So the customer is easy to divide the mesh sheet and the ball tray, it save the mesh changing time

Replaceable Seal



Replaceable seal of the screener deck

The seal structure is one key factor for guaranteeing the screening precision, The MH model gyrotory screener adopt replaceable model seal, it is easy to replace the seal when the seal worn-out

And the seal is endless model after glue, so it avoid the different layer material mix together



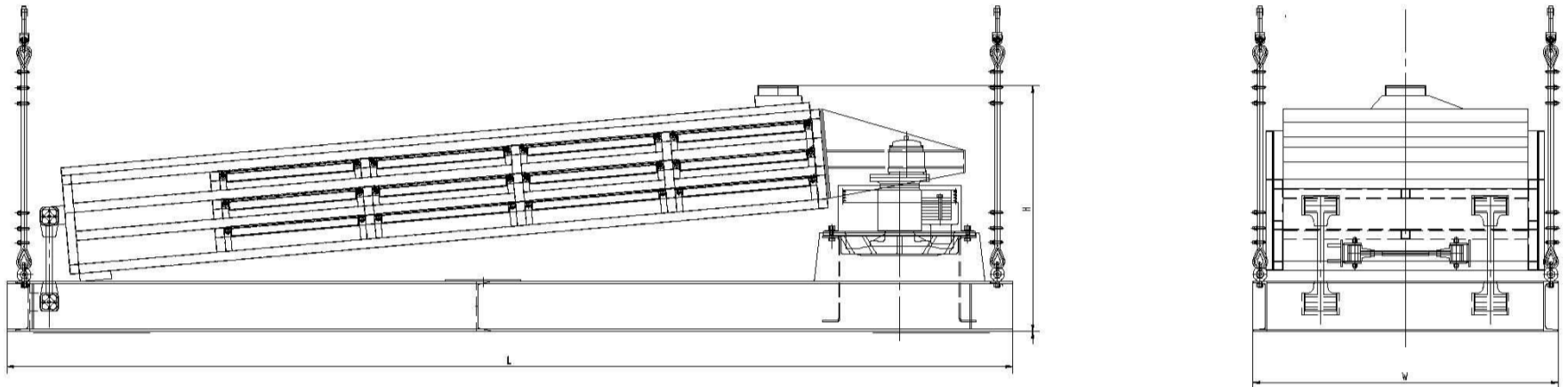
The details advantage of MHG side access gyratory screener

Side Door Access Gyratory Screens:

1. Compare with the traditional gyratory screen structure, the opening way of Side Door Access Gyratory Screens mesh is changed from the top of the screener into both sides of the screen equipment.
2. The form of the MHG gyratory screen deck is also changed from traditional one layer-one screen mesh into each layer of screens deck is composed of many independent small screens plate, each weight and area of the small screens plate is half and 1/8 of the original whole screener plate .
3. When the MHG gyratory screens mesh of the bottom needs to be changed, it is no necessary that remove the top screen deck and cover than before, which improves the working efficiency than traditional gyratory screens.
4. For the MHG gyratory screen, it is no necessary to change the whole layer screen mesh when one little screens deck broken. Just change sigle small screener plate, which improves the working efficiency than traditional gyratory screens.
5. For traditional gyratory screens, the exchange process of screen mesh very complicated, which waste the production time and lower the working effieiciency. Side door access gyratory screens mesh changed very quickly, the time just take less 10 mins.



Dimension and Parameter



MHG Gyratory Screen Parameter									
Layer No.	Model	Requency	Storke	Mesh Area	Power	Outline (mm)			Equipment weight
		r/min	mm	M ²	kW	(L)	(W)	(H)	kg
1	MHG-B20	220-260	60	2	2.2	4120	1870	2100	2463
	MHG-C24	220-260	60	2.88	3	4614	2080	2100	2958
	MHG-D30R	200-220	80	4.5	4	5530	2370	2200	3316
	MHG-E42	180-200	88	7.56	6.112	5612	2690	2200	4053
	MHG-F48	180-200	88	9.6	5.5	7198	2940	2300	4335
2	MHG-TB20	220-260	60	2	3	4120	1880	2100	2610
	MHG-TC24	220-260	60	2.88	4	4614	2080	2100	3177
	MHG-TD30R	200-220	80	4.5	4	5530	2370	2200	3494
	MHG-TE42	180-200	88	7.56	5.5	6112	2690	2200	4413
	MHG-TF48	180-200	88	9.6	7.5	6998	2940	2300	4756
3	MHG-SC24	200-220	80	2.88	4	4614	2080	2200	3395
	MHG-SD30R	180-200	88	4.5	5.5	5530	2370	2200	3872
	MHG-SE42	180-200	88	7.56	7.5	6112	2690	2200	4786
	MHG-SF48	180-200	88	9.6	11	7198	2940	2300	5337