



APPLICATION: RECYCLING INDUSTRY



MHG MODEL SIDE DOORS OPENING
SCREENER WAITING FOR DELIVERY



Rubber Particles



Broken Glass

MATERIAL FEATURES

The recycling industry is one large industry, one typical material is the rubber recycling, another is the glass recycling. For the rubber particle material, it always come from frame tire after broken, there may be some stick shape and linear shape material in the crushed rubber, if adopt vibration model screener, the stick material may block the mesh aperture.

SCREENING APPLICATION

The rubber material is one light and various shape particle material, the self-cleaning ball structure of the MHG gyratory screener could avoid the mesh aperture blockage problem, and for the glass, they

customer may have different material size request during separation, the customer can open the side of the screener box and change the screener mesh in short time, so the MHG model screener could meet their special request on the mesh changing.

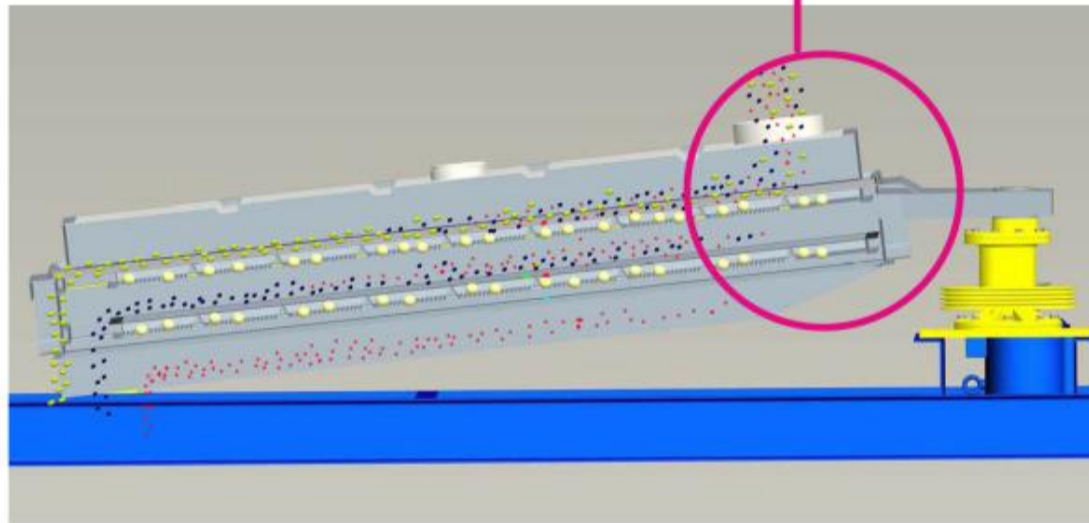
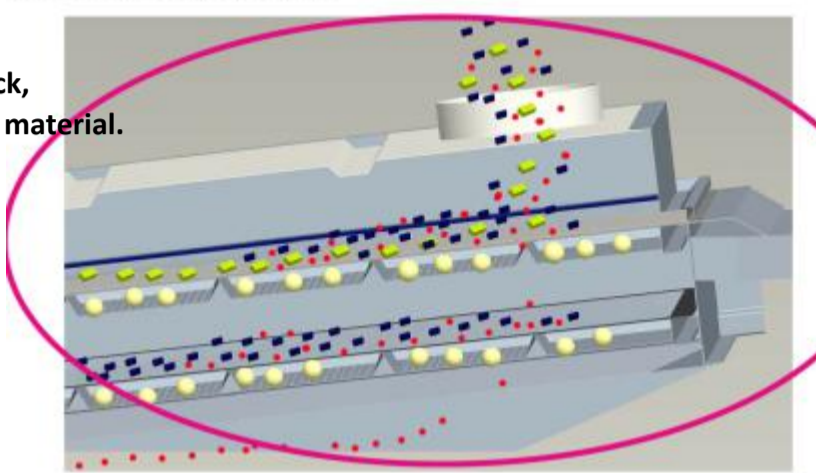


Working Principle

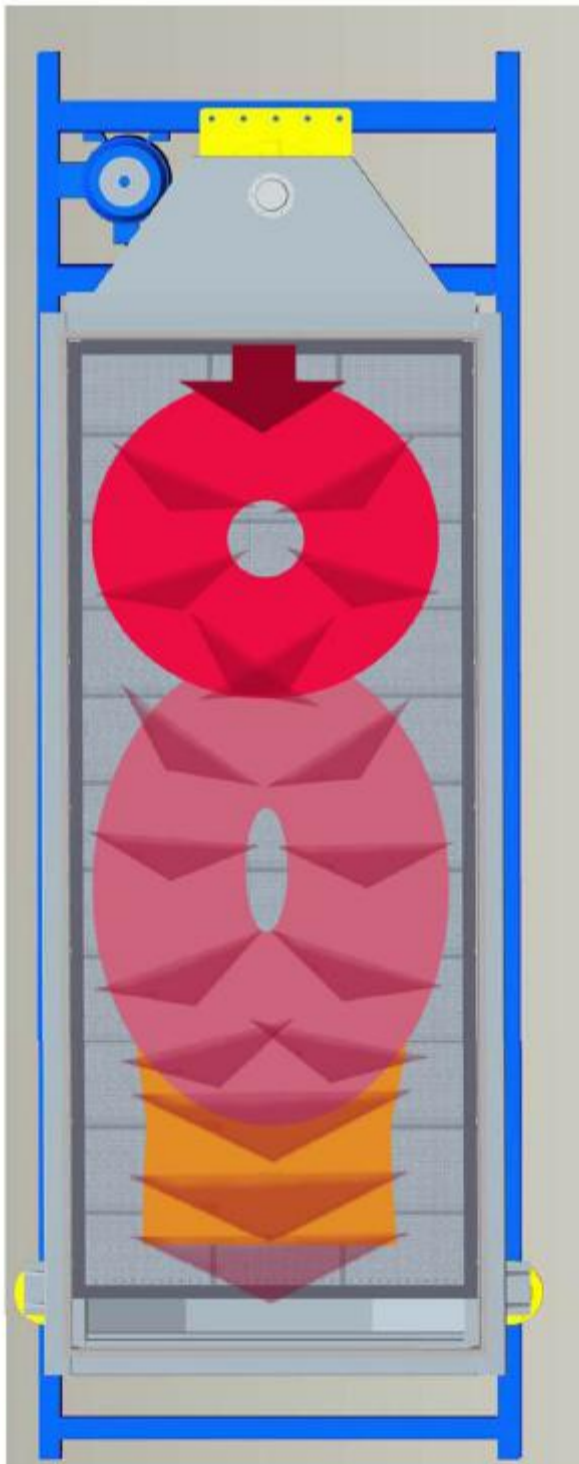
M series Gyratory Screener is one kind precision screening equipment, it could screen particle shape material, powder material and irregularly shape material. Compare with other heavy duty screener, its screening precision is higher , compare with other precision screening equipment, its capacity is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

The pictures show how the gyratory screener work with two layer mesh deck, The screener could separate the material into three size specification scope material. Our M series gyratory 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 gyratory screener, the baffle and distributor will distribute the material materials first,the material movement is the reciprocating gyratory motion

Stage 1 When the material fall onto the gyratory 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 at site



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

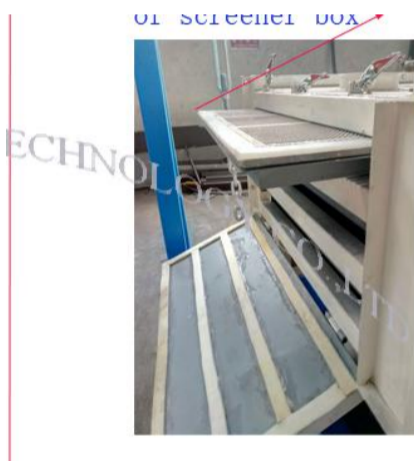


How to do the mesh sheet changing easily



1. Open the side access door

This step is easy, just open the clamp then open side access door



2. Pull out mesh sheet and ball tray

Release the fasten device of the ball tray, then pull out 1/2 to 1/3 width of the ball tray and mesh structure out the screener box, the other 2/3 of the mesh deck+ ball tray still in the screener box



3. Pull out the whole mesh sheet

Please pull out the whole mesh sheet structure out from the screener box, and do not need move the below ball tray



4. Put one new mesh sheet on the ball tray

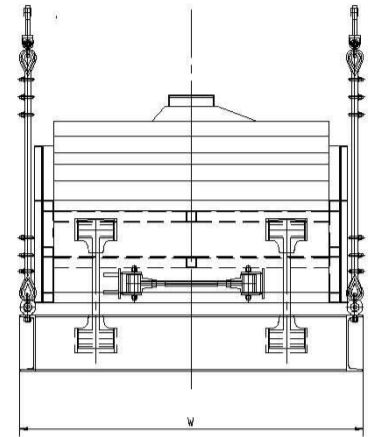
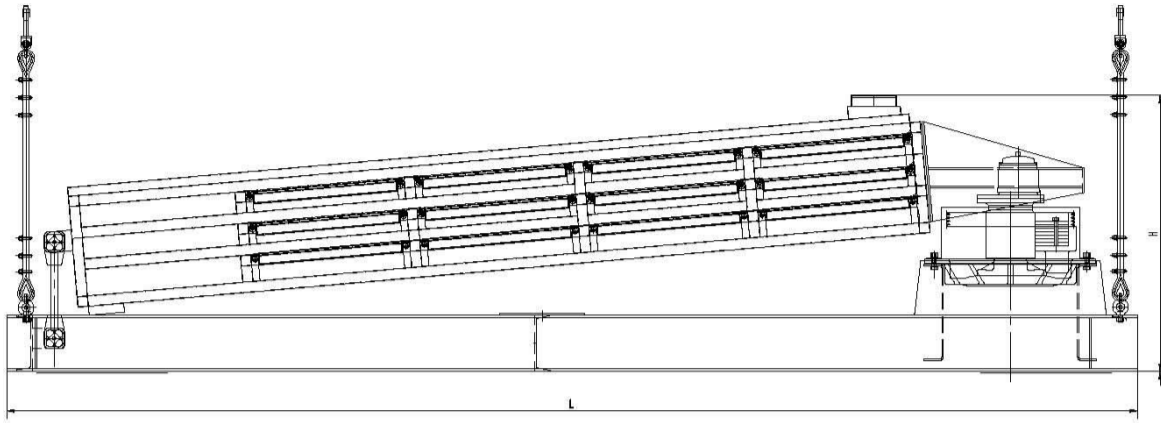
Put one new mesh sheet on the ball tray and push the ball tray and mesh back into the screener box, then fasten the ball tray and close the side access door as one drawer, the mesh changing work finished



For above 4 steps, we will understand why our MHG side access doors gyratory screening equipment is easy for mesh maintenance, one mesh sheet only several KGS, and do not need lift the heavy ball tray during the whole process, one person could finish one mesh sheet changing within 1 mins, and much safe to the worker.

Side door access gyratory screens features: :

1. MHG gyratory Screens mesh changing work is very safe. Each layer screen deck is consist of 2-8 single small plate, each screen plate weight is within 20kgs, it is very safe for operating.
2. The weight and area of each little screen deck panel is 1/2 and 1/8 of one whole layer screen plate, which no longer use hoisting equipment, changed much more easier than traditional gyratory screens.
3. Single samll screen plate is 1/2 width of original whole gyratory screen deck, which save the equipment installation space.
4. Comparing with other precision screening equipment, the capacity of side door access gyratory screen is much bigger.



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