



APPLICATION: ACTIVATED CARBON



Gyratory Screener
waiting for activated
carbon powder
screening.
3 sets screener
waiting for exporting



MATERIAL FEATURES:

The activated carbon material is one widely used base material, but activated carbon is one very light material, the normal bulk density always less than 0.5Tons per cubic meters, and for activated carbon lump, it is also be break.

SCREENING APPLICATION

Refer to the material features, the high frequency vibration screener is not suitable for the light activated carbon powder material, and vibration model screener also could break the activated carbon lump, so the MH model gyrotory screener with low frequency and large stroke suitable for the activated carbon material screening
The MH model gyrotory screener with self-cleaning balls could avoid the mesh blockage problem.
The activated carbon powder will flow on the screener mesh surface the whole time until the under-size material material pass the mesh aperture, low frequency and large amplitude bring less dust, more environment friendly.

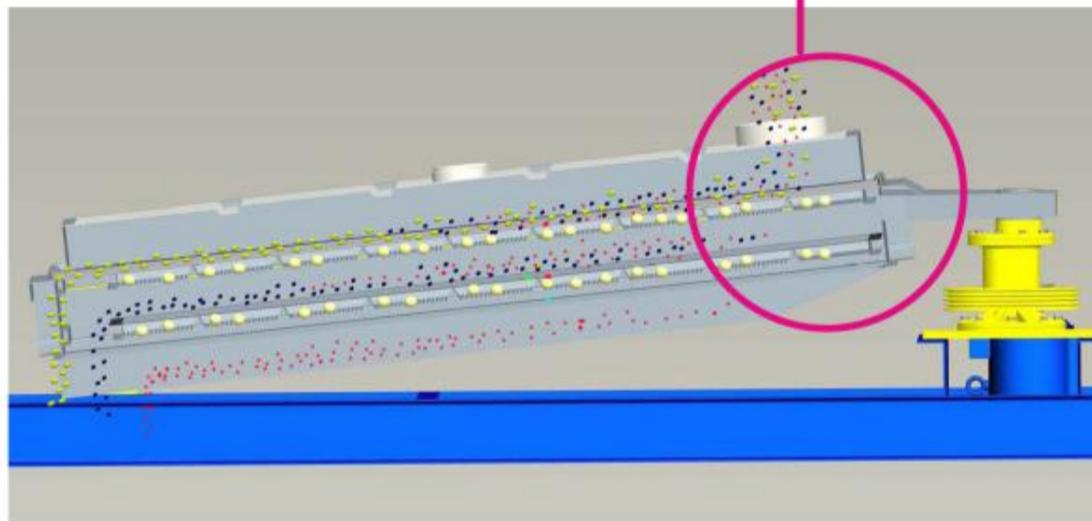
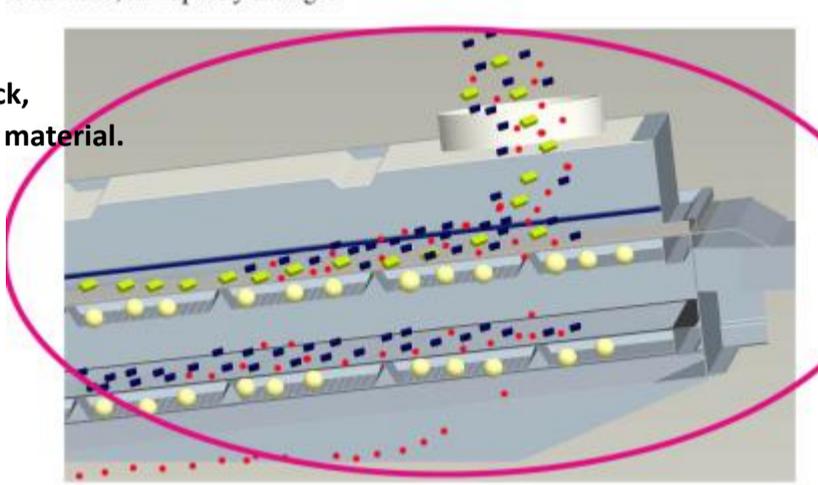


Working Principle

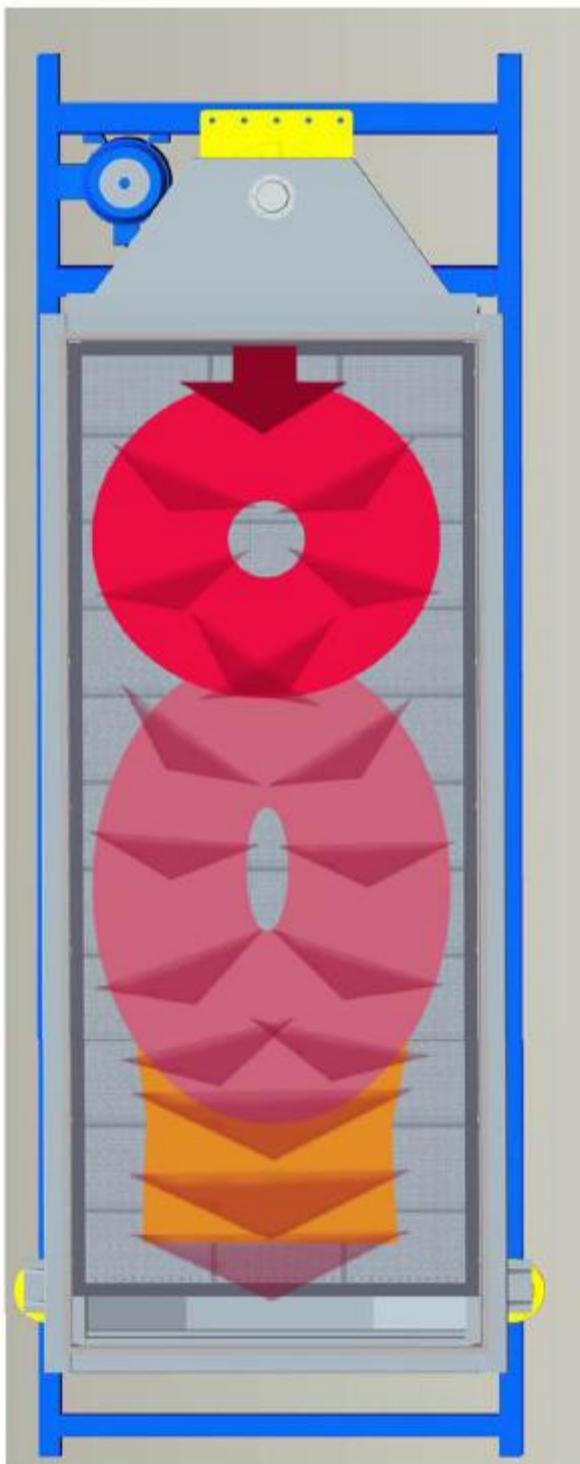
M series Gyrotary Screener is one kind precision screening equipment, it could screen particle shape material, powder material and irregularly shape material. Compare with other heavy duty screener, its screening precision is higher , compare with other precision screening equipment, its capacity is 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



MH gyrotory screener adopt suspension installation method, and because the gyrotory screener motion path is one reciprocating gyrotory month on one almost horizontal plane, there is no vertical vibration about the complete screening equipment, so this model screener do not need heavy and strong foundation, so it could save the building structure cost for customer.



MH Gyrotory Screen at PVC screening site

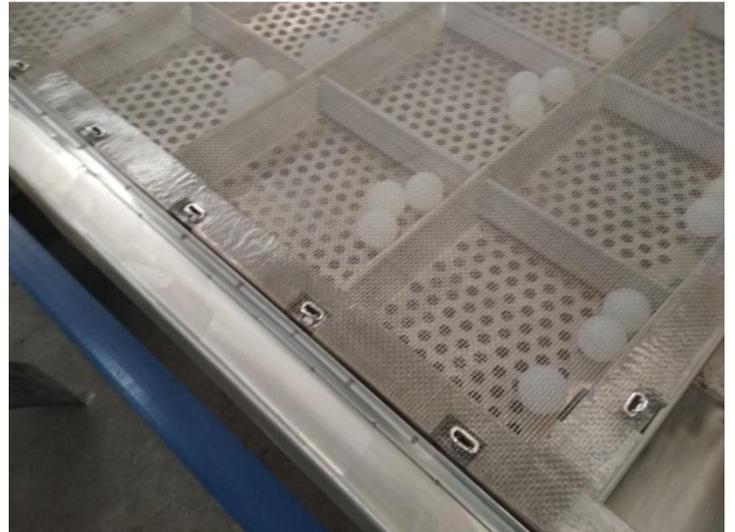


MH Gyrotory Screen at site



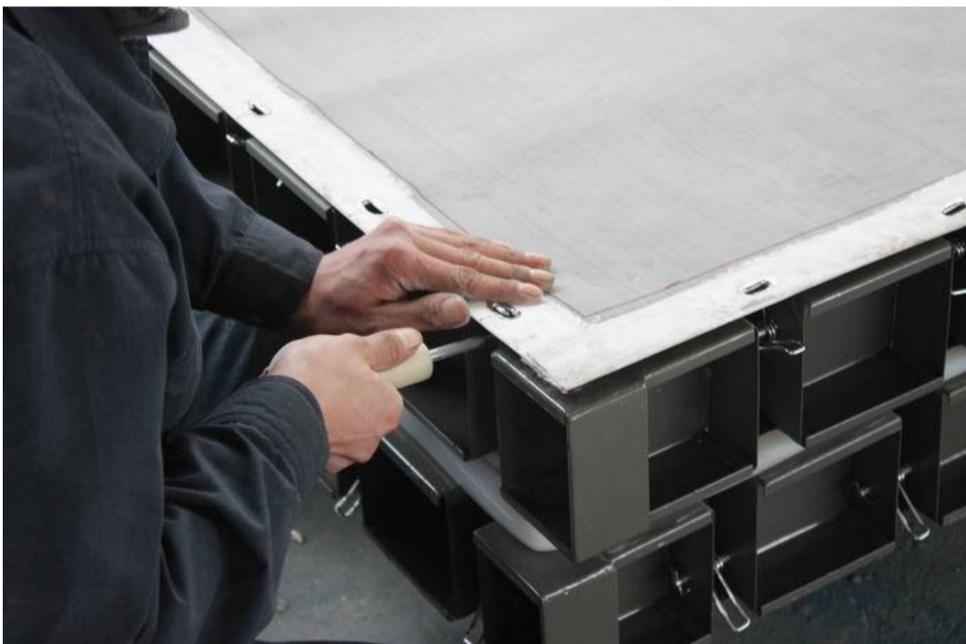
M Gyrotory Screener Major Structure

Screener Deck



The 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 deck frame via spring clamp.

Mesh changing



The mesh fasten method

The mesh is fasten on the ball tray deck frame via clamp spring, the spring clamp could offer the continuous tighten force to the mesh during operation

When need replace the mesh, just loose the spring clamp with device then put one new mesh on the ball trays deck frame, it is easy

Replaceable Seal



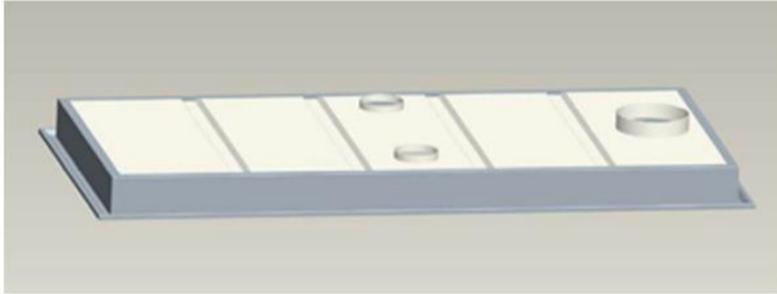
Replaceable seal of the screener deck

The seal structure is one key factory 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

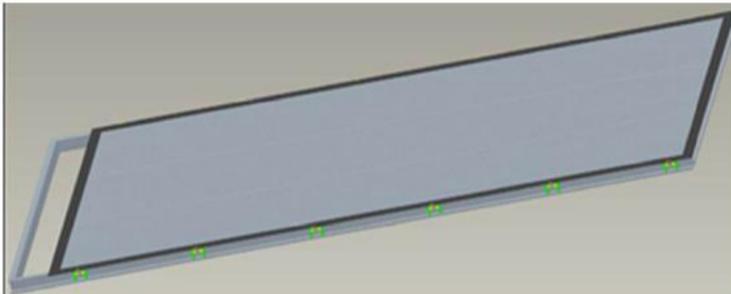


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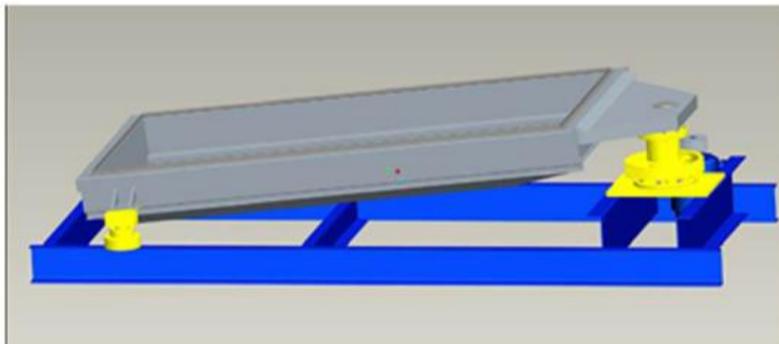
Top cover

The M series gyratory screener as the major production of our company, compare other type screener and separator equipment,the production amount of M series gyratory screener (Rotex screener model) is largest, and the screening performance has been proved by different customer in different industry application.



Screener Deck

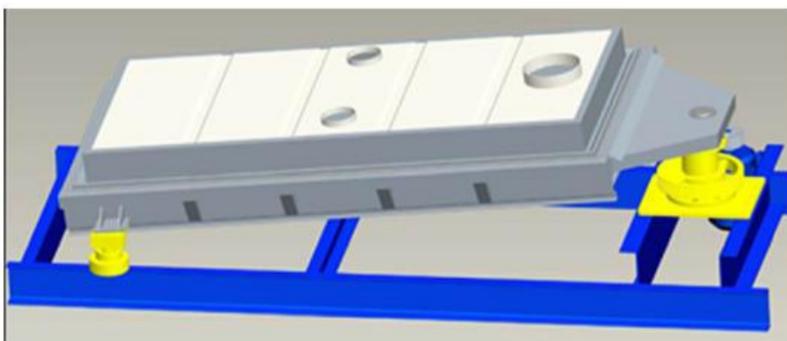
After material being feed in the inlet, the M series gyratory screener will distribute the material bed on the screen deck evenly along the screen deck width via itself gyratory motion vibration, so the material bed thickness will be thinner and it is good for screening, so it will enlarge the capacity of screening and seperator equipment. and it could save one feeding equipment for material distribution at the material feeding end.



Screener Box

The M series gyratory screener is do the gyratory reciprocating motion on the level plane, there is no vertical vibration, so it do not request heavy base, if this equipment is installed in the screening building , it could save much cost for civil construction.

M series gyratory screen is the low frequency separator equipment with high amplitude, so it could screen material adequately, the capacity is large and screening efficiency is high.

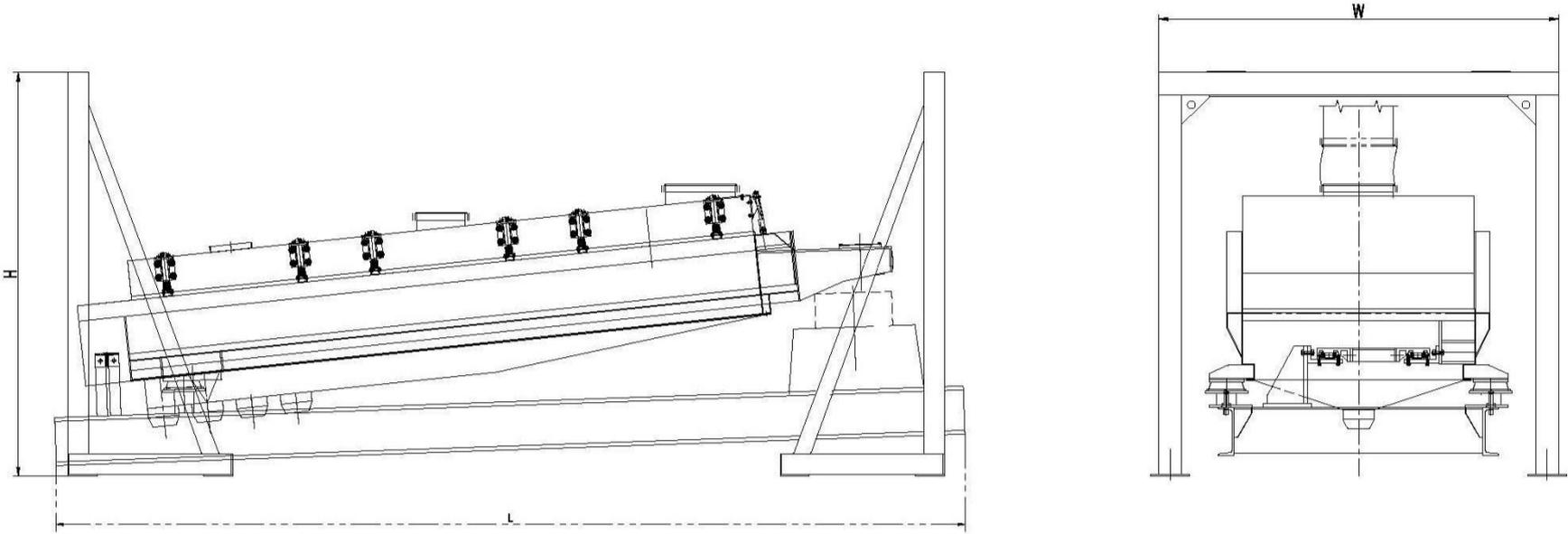


Complete Screener

There are many self-cleaning ball in the screen deck of M series gyratory rotex screener and the balls will impact the working screen mesh when operation for keeping from block.



Dimension and Parameter



MH Gyrotory 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	MH-B20	220-260	60	2	2.2	3620	1870	2100	2463
	MH-C24	220-260	60	2.88	3	4114	2080	2100	2958
	MH-D30	200-220	80	4.5	4	4930	2370	2200	3316
	MH-E42	180-200	88	7.56	5.5	5612	2690	2200	4053
	MH-F48	180-200	88	9.6	5.5	6698	2940	2300	4335
2	MH-TB20	220-260	60	2	3	3620	1880	2100	2610
	MH-TC24	220-260	60	2.88	4	4114	2080	2100	3177
	MH-TD30	200-220	80	4.5	4	4930	2370	2200	3494
	MH-TE42	180-200	88	7.56	5.5	5612	2690	2200	4413
	MH-TF48	180-200	88	9.6	7.5	6498	2940	2300	4756
3	MH-SC24	200-220	80	2.88	4	4114	2080	2200	3395
	MH-SD30	180-200	88	4.5	5.5	4930	2370	2200	3872
	MH-SE42	180-200	88	7.56	7.5	5612	2690	2200	4786
	MH-SF48	180-200	88	9.6	11	6698	2940	2300	5337