



MH GYRATORY SCREENER



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Company Introduction:



Along with the amount of gyratory screener machinery applied in our customers' industry application increasing, and in order to service our customer better, Mega Young Screening Technology Co.,Ltd is specialized in designing, studying and developing M&Y gyratory screener.

We start the manufacturing and designing the gyratory screener from reception of our company, our gyratory screening equipment has been used in mineral industry application, chemical industry application, agriculture industry application, food industry and medicine industry etc successfully after many years. Refer to customers' feedback and situation happened about our gyratory screener at application site, we summarize and study the feedback information and research new solution continuously, then we get one professional technical team with plenty of experience about our gyratory screener. We are willing to share our studying achievement and supply you more and more screening solution and gyratory screener with proven technology.



CE certificate



Business License

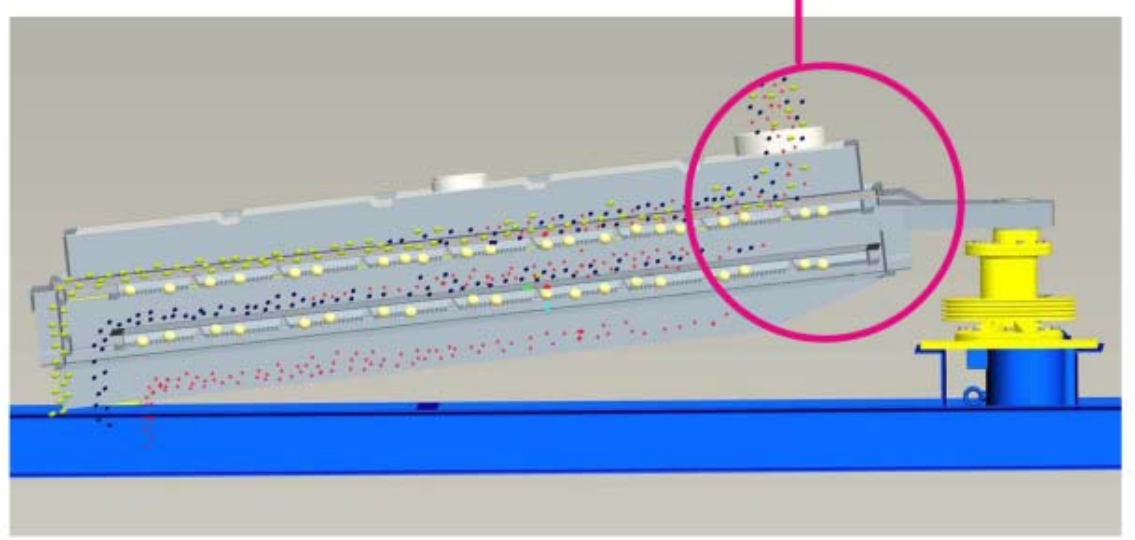
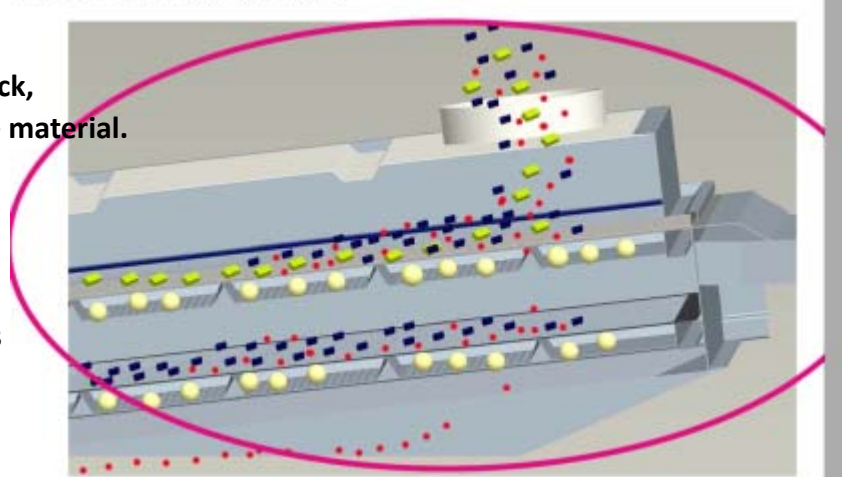


Working Principle

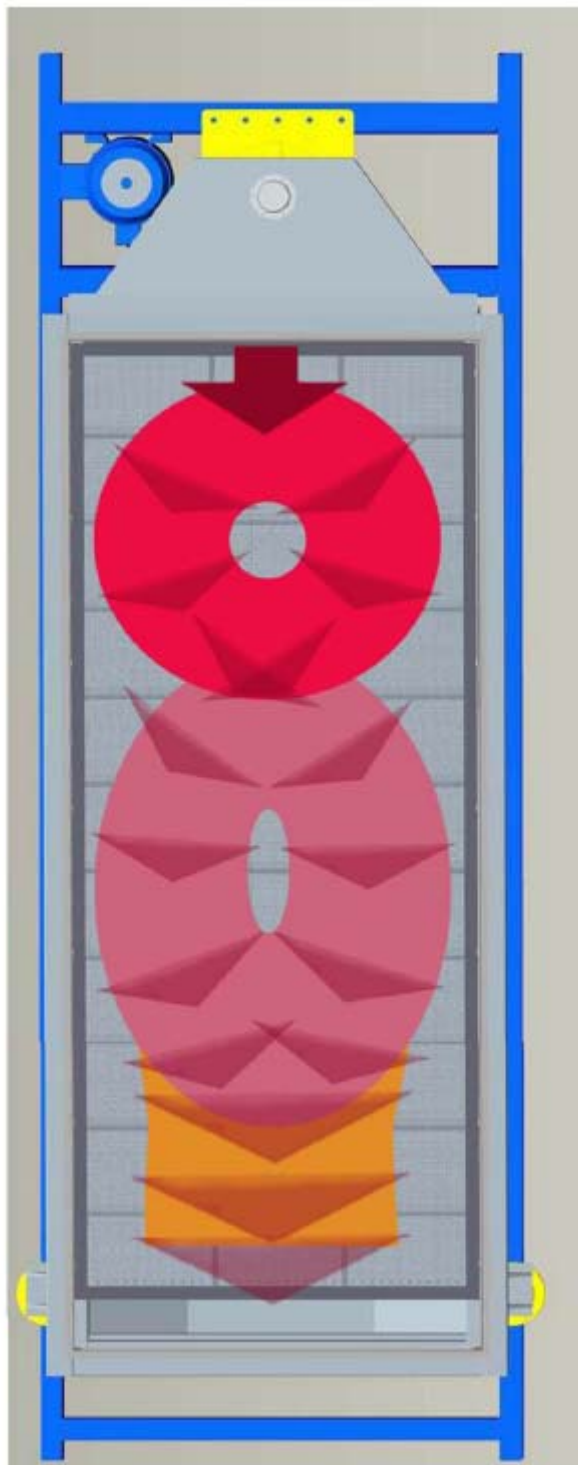
M series Gyrotory Screener is one kind precision screening equipment, it could screen particle shape material, powder material and irregularly shape material. Compare with other heavy duty screener, its screening precision is higher , compare with other precision screening equipment, its capacity is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

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

Stage 1 When the material fall onto the gyrotory 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 Gyratory Screener Installation Method



MH gyratory screener adopt suspension installation method, and because the gyratory screener motion path is one reciprocating gyratory 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 Gyratory Screen at PVC screening site

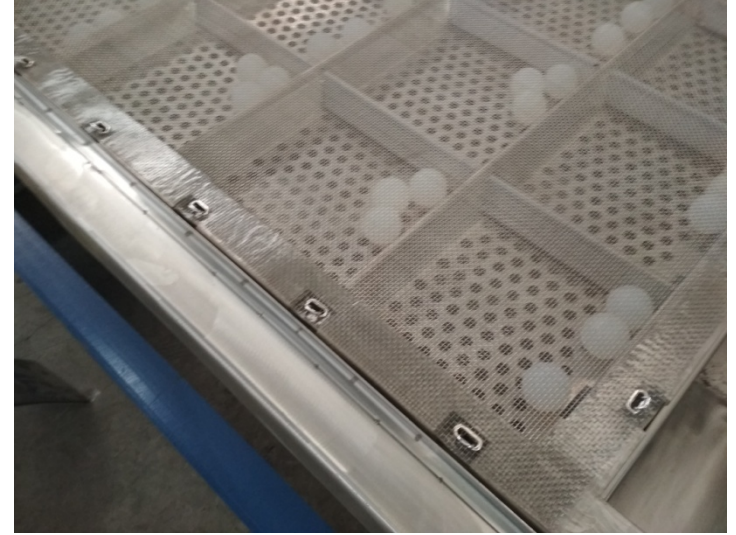


MH Gyratory Screen at Sugar Screening site



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

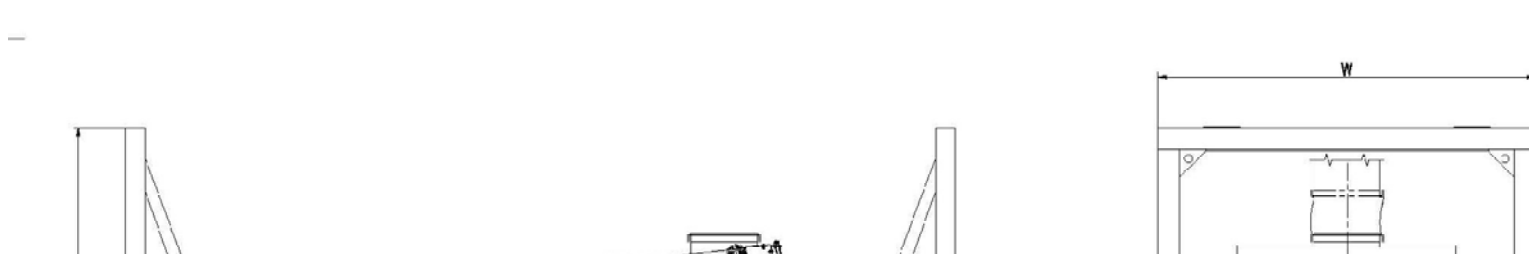
Replaceable Seal



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

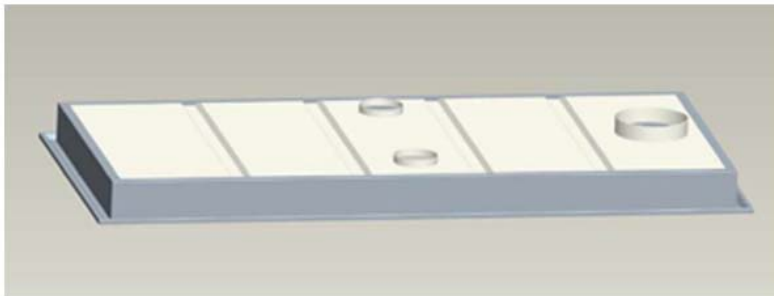




Clamp for screener top cover

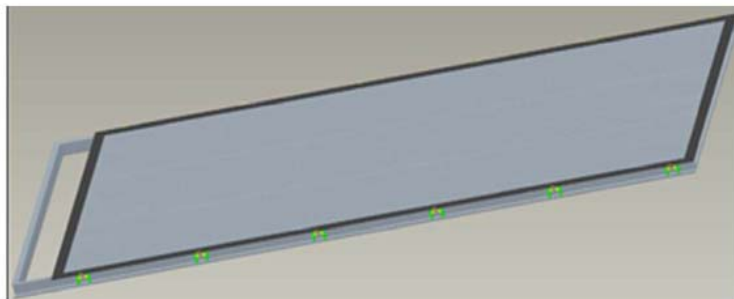


The fast clamp for top cover is adjustable, and it is easy to open and fasten



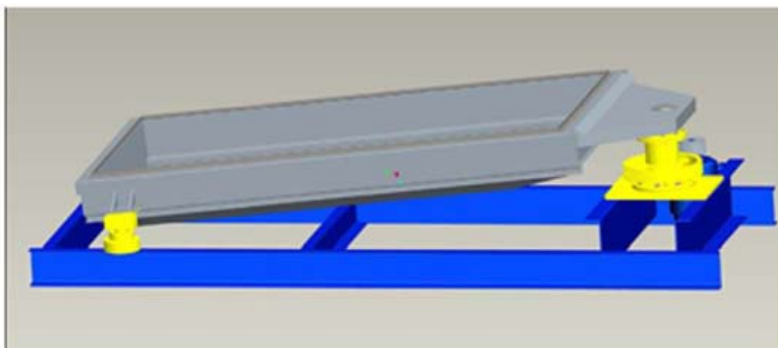
Top cover

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.



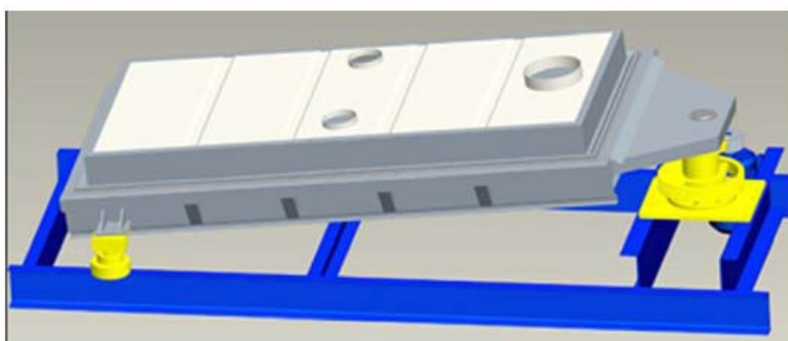
Screener Deck

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.



Complete Screener

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.

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.



Application

As the most popular gyratory screening equipment, The industry application of M series gyratory screener include chemical industry, agriculture industry, food, medicine, mineral, plastic and recycling industry etc, its high screening efficiency and stable function has been proved by hundreds practical application, together with the MPG series gyratory screener for easy changing mesh and MPB series gyratory screener for large capacity as supplement, so the application scope of our supplied gyratory screener will be larger, and could meet some special request on screening.

- 1. Fertilizer: Urea,NPK,Prilled Urea, Granulated urea, DAP, MPA, Organic Fertilizer, Potassium Carbonate,
- 2. Recycling: Glass, glass particle,waste glass, glass chips, waste bottle, glass beads, rubber, waste rubber, ground rubber, waste rubber powder, waste rubber chip, rubber pellets, rubber particles, waste tire, waste tire chips,waste plastic bottle, waste building sand, reclaimed gypsum, Renewable plaster, Plastic debris, plastic chips.
- 3. Plastic:Polyethylene, PVC, PVC pellet, plastic pellet, Resin, Epoxy, Polycarbonate,Melamine formaldehyde resin, Engineering Plastics,Polyethylene oxide, Polyethylene oxide pellets, PVA pellets, PVA powder, ABS, Nylon, Nylon powder, Nylon pellet
- 4.Grain: rice ,wheat , corn, soybean, mung, barley, rice bran, wheat bran, sunflower seeds, albumen powder, rice flour, wheat flour, corn meal, corn flour, corn grit, Cracked corn,oatmeal,rice husk, bean curd, soybean powder, soybean meal, bean dregs, bean flour
- 5.Animal Feed: Animal Feed, Forage, feedstuff, raw feed, feed pellets, soya-bean cake



Chemical Material



Mineral/sand



Plastic



Recycling



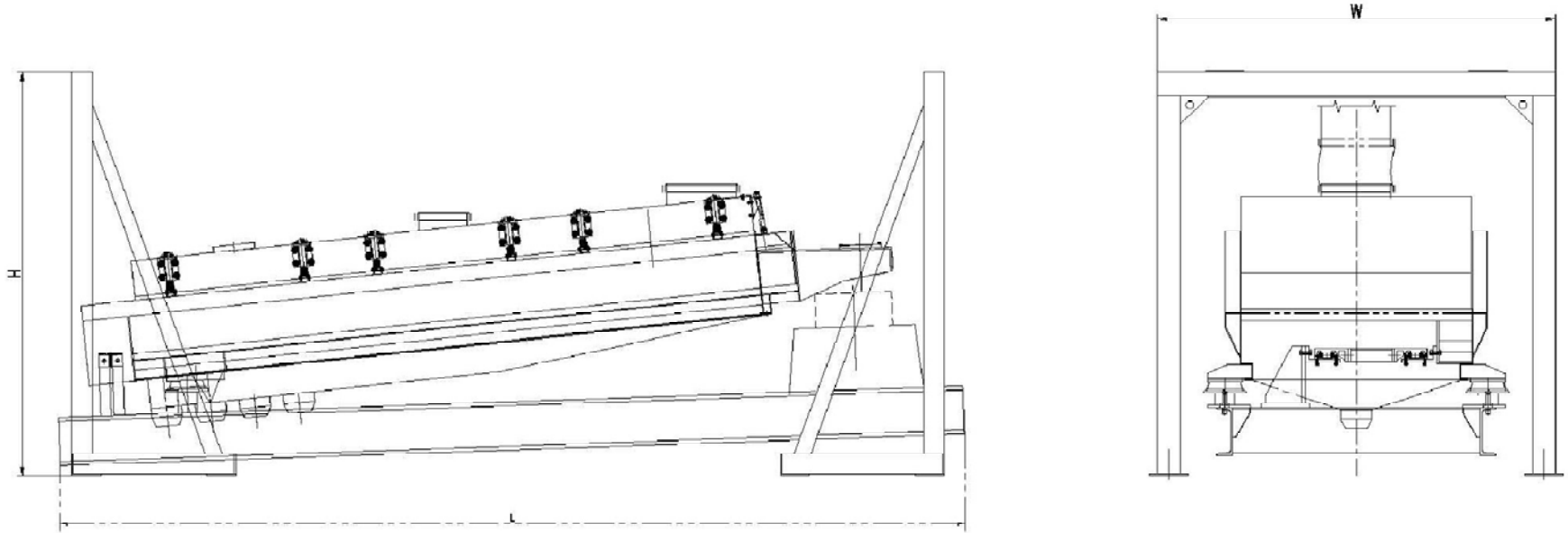
Grain



Food



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 |