

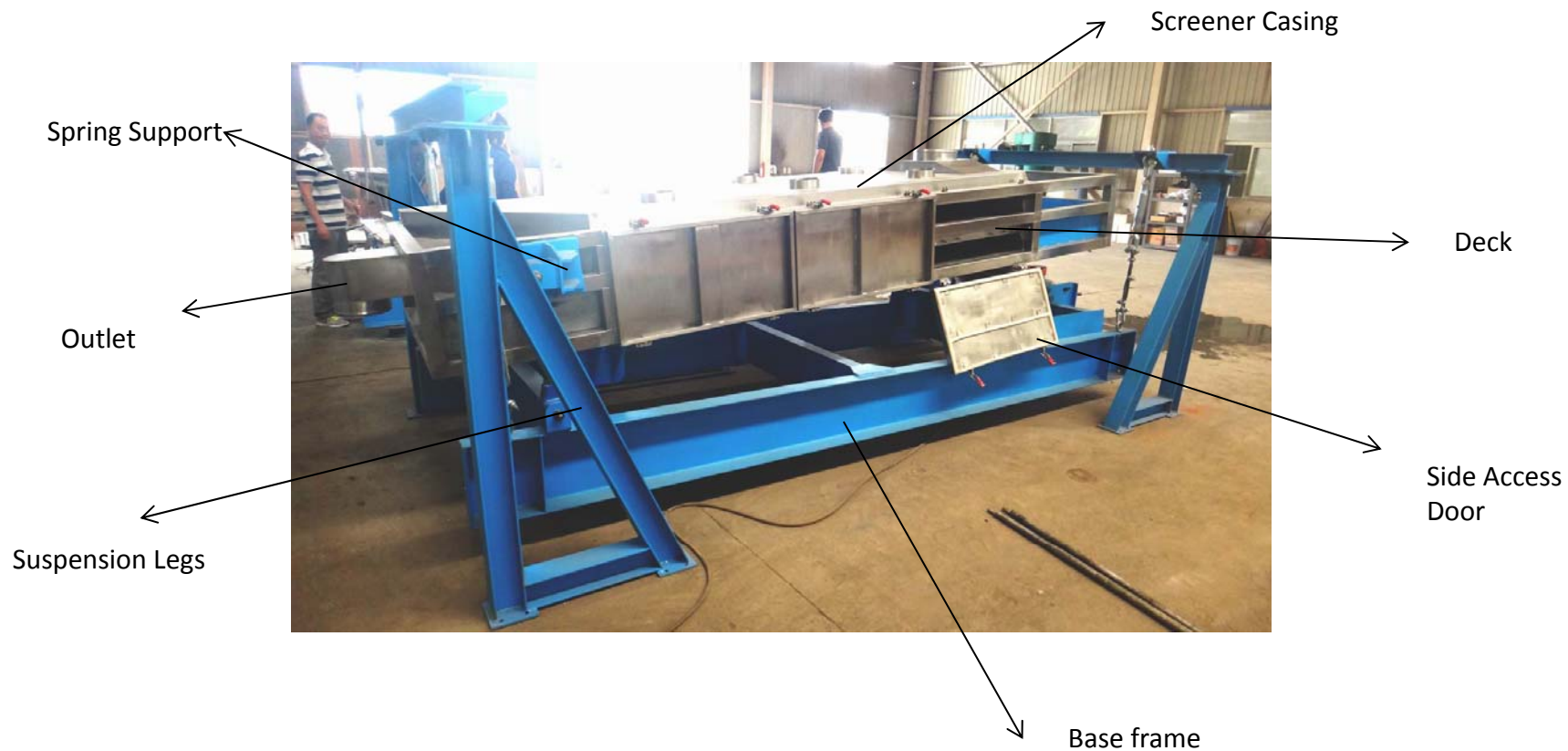


Mega Young Screening Technology is specialized in designing, researching and developing gyratory sifter and other sifting equipment . Along with the amount of gyratory sifter applied in our customers' industry increasing, and in order to service our customer better, we pay our most attention on the manufacturing and designing the gyratory sifter and similar sifting&separation equipment for our customer, our gyratory sifter and other screening equipments has been used in mineral industry application, chemical industry application, agriculture industry application, food industry application, medicine industry and other industries successfully after many years

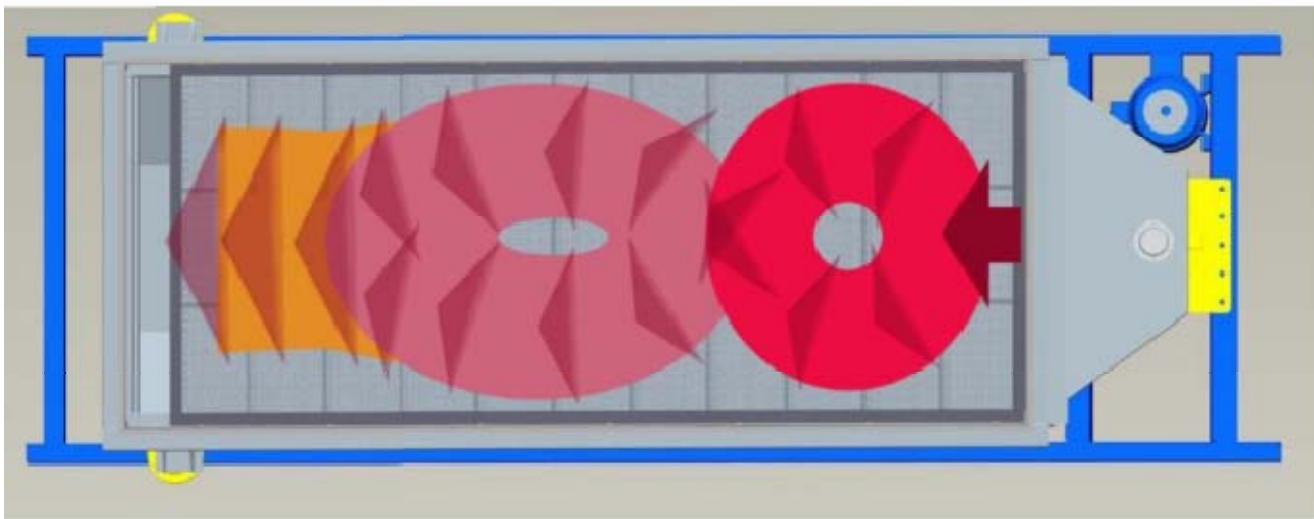
MHG Side Access Doors Gyratory Screen



MHG Side Access Door Screener Structure



Material Flow Path On Mesh Surface



The Gyratory Reciprocating Motion gradually diminishes along the length of the machine from an circular path and finally to a nearly linear motion at the discharge end.

Side Access Door Screener Introduction

In some customer application technical process, the customer need always change or maintain 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 MPG series gyratory screens is for solving above problem

The side doors access gyratory vibrating screen has the similar features with our M series gyratory screen such as working principle, screening efficiency and application range. But the screen deck structure of MHG gyratory vibrating screen is different with M gyratory screen. The MHG gyratory vibrating screen has an unique and economic design which not only reduce the equipment stop time but also increase the equipment output.

1. Each layer deck consist of 2 to 10 piece little deck panel
2. Could change or maintain the mesh from the two side of the screener box
3. The mesh panel and ball tray are divided
4. Adopt spring support , operation life is very long

Screener working video link

<http://www.megayoungscreener.com/gyratory-screener-video/drawer-screening-equipment.html>

The Screener Equipment structure



The obvious difference is about the convenience on the mesh maintenance, the following is the comparison between ordinary gyratory screener and MHG series side door access gyratory screener, you will understand the advantage of MHG model screener

Comparison of two model screener

Normal Gyratory
Screener



MHG Side Access Door
Gyratory Screener



The difference of the cover

Move away the top cover



The operator need move away the top cover is maintain the mesh of normal gyratory screener, the cover volume and weight is huge when the gyratory screener model too big, you need lifting the top cover with hoist or 4-6 people, and also need mount it back after mesh maintenance, the whole process need to take too long time

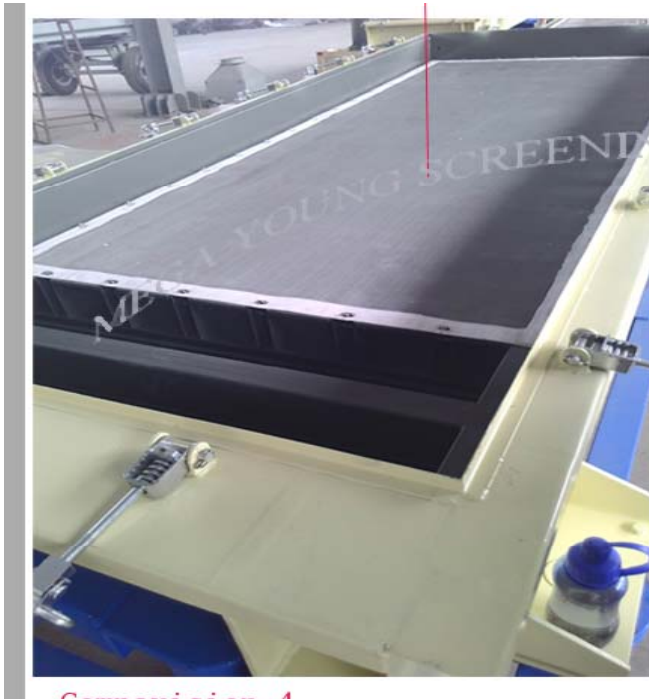
Just open the side access door



Only need one people to open the side access door when do mesh maintenance work, and just need close the side door when finishing mesh maintenance work, it is easy and save time, do not need and hoist equipment

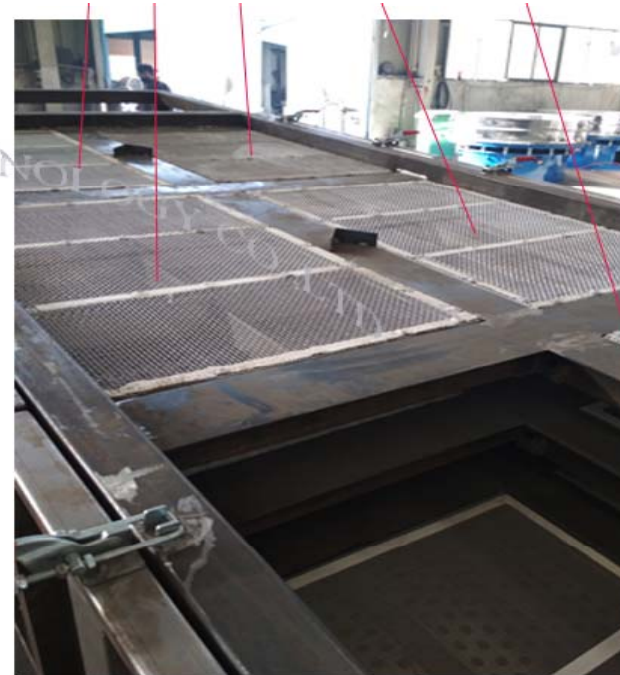
Mesh structure difference

One layer mesh with one layer



Need replace one layer complete mesh when maintain the mesh , and the mesh width and length is similar with the equipment machine, so it need more space for mesh maintenance work

One layer mesh consist of 2-10 piece little mesh



Each little deck is the $\frac{1}{2}$ width of the screener equipment, and the each little deck length is the $\frac{1}{2}$ to $\frac{1}{5}$ of one layer mesh, each little mesh panel is independent with other little deck, so just maintain the little one deck which need to be maintained, do not need maintain the whole layer mesh one time, so it need little space for mesh maintenance work

The relations between mesh and ball tray

The normal gyratory screener mesh fasten via spring clamp



The mesh mount on the ball tray frame via spring clamp, it need two people do the mesh maintenance work with specific device, and the people need mount the mesh again after maintenance work.

The mesh panel is independent with the ball tray



The mesh panel of MHG side doors access gyratory screener is independent with the ball tray structure, the people just need loose the fasten device in the screener box so that to divide the mesh and ball tray, then push out the mesh, one people could finish this mesh maintenance work, it is easy ,safe and save time



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The request space for mesh maintenance

For ordinary gyratory screener, need move out the mesh from top, so it add the height request



For MHG model side doors access gyratory screener, just open the side door then push out the mesh panel



Degree of difficulty for moving out the mesh from screener box

Need hoist device or many people to lift the mesh + ball tray



For ordinary gyratory screeners, the customer need move out screen mesh together with ball tray from the screener box, because the screener mesh+ball tray is very heavy and huge, for example one 1.5*3.6m deck, it need several people to lift it together or need lifting machine, and they also need to lift the deck back into the screener box again after maintenance, the operation difficulty is large

Only need one people to push out the mesh



For our MHG side access door screener, Only need open the side access door , then push out the old mesh and pull into the new mesh when do the mesh maintenance work, do not need lift the ball tray during the whole process, for exmaple one 1.5*3.6m screener, we could divide it into 6 piece, each piece only have 0.75m*1.2m, only weight 4-5kgs, so only one people could finish it in short time and safely.

Relation between above and below mesh deck

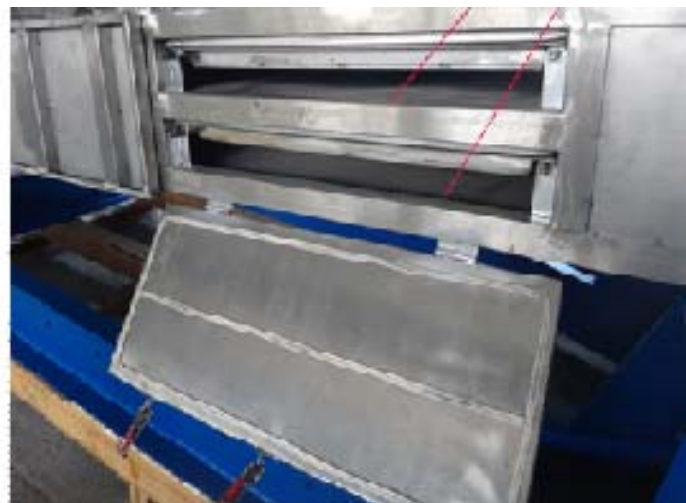
Above deck be put on the bottom deck directly



For ordinary gyratory screener, the above layer deck will be put on the below layer deck one by one if with multiple layer deck, so if only maintain the below layer deck, the customer need move out the above deck from the screener box first, and put the deck into the screener box one by one again after maintenance.

For example one 1.5*3.6m screener with 3 layer deck, it need take 2-4 hours when maintain the whole three layer deck or just maintain the bottom layer deck with 3-4 people.

MHG above deck is independent with below deck



MHG with multiple screener deck, because the one layer deck is independent with each other layer deck, so do not need to move the above layer deck when maintain the below layer deck, and the customer also could maintain any one little mesh panel of one layer deck, and one people could finish the work during the process.

For example one 1.5*3.6m screener with 3 layer deck, it only need take 10-20 mines for replace whole 3 layer mesh, if only maintain one layer deck such as the bottom layer deck, it only take several minutes.

Comparison Result

- MHG 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 single 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 efficiency. Side door access gyratory screens mesh changed very quickly, the time just take less 10 mins.

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 small 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.
 5. Installation and operation both are conveniently.
 6. The advantages of small area, light weight, can be access from the side door, single screen layers and decks, can meet the request on time and space for stick material, abrasive material, and other application environments need to be changed screen frequently.
- **MHG Side Access Gyratory Screener working video**
www.megayoungscreener.com/gyratory-screener-video/drawer-screening-equipment.html