



Multi-Vib Screener

The Multi-Vib high frequency screener is a powerful screener in a compact, highly efficient design. Utilizing the entire screening surface, the Multi-Vib screener can do the job of much larger counterparts. Save time and money with the quick change, end-tension screens.

The Multi-Vib high frequency screener is constructed to handle tuff-screening applications that larger screens typically can't handle. The two counter-rotating motors

create a flat screening surface for the material to travel. Where most other makes of rectangular models have a crown or an arc that pushes the material outward, the Multi-Vib utilizes the entire screen deck, giving the screener the ability to do the job of a larger screener with a more compact design.

The end-tensioned screen used in the Multi-Vib screener allows the user to make screen changes in 10-15 minutes rather than other timely models – reducing costly down time.

The Multi-Vib high frequency screener is available in sizes: 3' x 5', 4' x 6' and 5' x 7'. The screeners also come with the choice of three or five deck units.

create a lineal motion that enables the Multi-Vib screener to screen finer particles accurately and efficiently.

The screener is designed with a unique parallel-arc configuration found on both Midwestern's MEV and Multi-Vib rectangular screeners. Crossbars support the end-tensioned screens and



MEV Screener

The high frequency screens manufactured by Midwestern are utilized in many screening applications. From heavy scalping to fine mesh screening, the MEV outperforms the competition while remaining a great value. With a variety of sizes and screening decks, the versatile MEV Screener- fits a large variety of applications.

The MEV high frequency screener is a rectangular screener that utilizes an elliptical motion to convey material across the screening surface.

Available in sizes three-foot by five-foot (3' x 5'), four-foot by eight-foot (4' x 8') and five-foot by ten-foot (5' x 10') with the availability of one to five screening decks gives the MEV screener the versatility to meet your screening needs.

The MEV screener is designed to retain the material at the feed end for a longer period of time then gently slopes near the discharge end assisting the material off the screening deck and into production. This is achieved by the screener's unique parallel-arc configuration. Crossbars support the end-tensioned screens and create a flat screening surface maximizing the screening area.

The end-tensioned screens used in the high frequency screener simplify changing screen panels. End tensioning permits the use of square-opening and slotted screens and is accurately maintained by a spring-loaded draw bar. Users can make screen changes in 10-15 minutes.

Component Description:

The MEV and Multi-Vib share some similar components that make them unique and equally effective when screening material.

A Material Distributor – A material distributor is used to help the material disperse evenly across the entire width of the screening surface, maximizing screening efficiency.

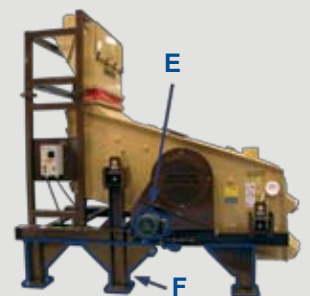
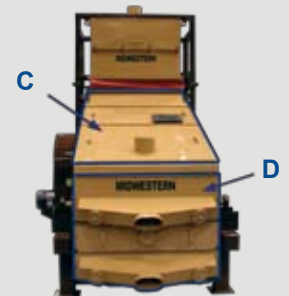
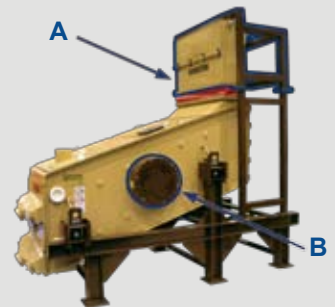
B Main Shaft – Midwestern machines the MEV's main shaft and bearing housings to ensure quality and precision while offering our customer the rugged durability they expect.

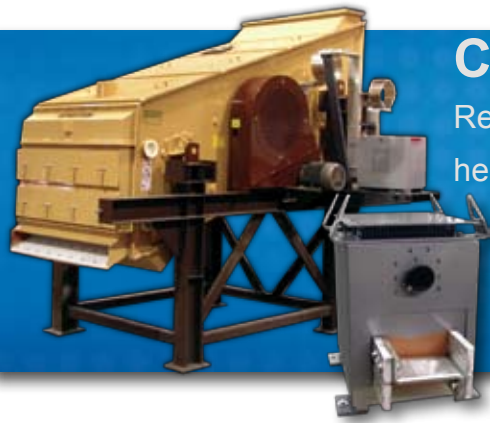
C Total Enclosures – Available in either metal or canvas, Midwestern can manufacture your screener with total enclosures to reduce fine particles from being airborne. An optional ventilation duct can be added for easy dust collection.

D Discharge Chutes – Easily customize material discharge chutes to accommodate your processing needs.

E Motors – Both the MEV and Multi-Vib motors are powerful and efficient backed by industry leading warranties.

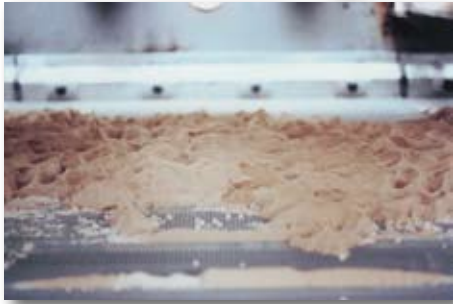
F Unit Stand – Our experienced staff can design a unit stand to accommodate most height requirements for easy installation.





Converta-Screen Heating

Reduce screen plugging due to wet or damp material by adding a screen-heating transformer. The system can be added to an existing Midwestern high frequency screener or retrofitted to most other makes and models. This simple and effective way to eliminate blinding is a cost-effective way to maintain higher production rates.

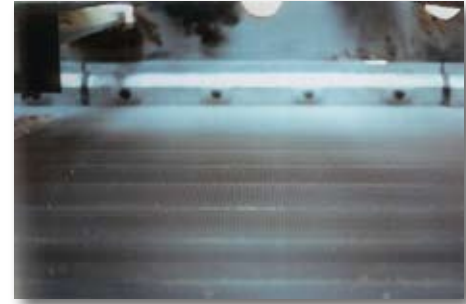


Before

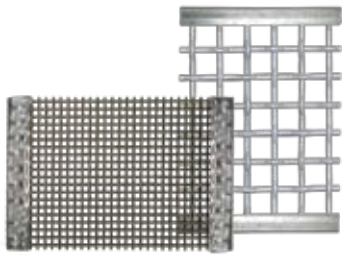
The damp material is plugging up the screening surface by adhering to the wire mesh, reducing the screener's efficiency, capacity, and overall performance of the screener.

After

By applying a low-voltage current through the screen mesh, the surface tension is broken and the damp material is unable to stick to the wire mesh.



Wire Cloth Screens & Accessories



Heavy Mesh Screens

The name says it all. Midwestern has the ability to construct heavy-duty screens with thicker wire to sustain greater impact.



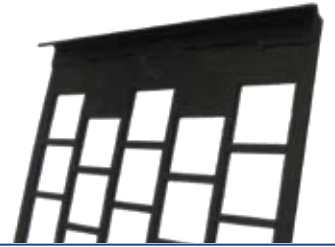
Fine Mesh Screens

Choose from Midwestern's large inventory of wire mesh. Available with a backup mesh.



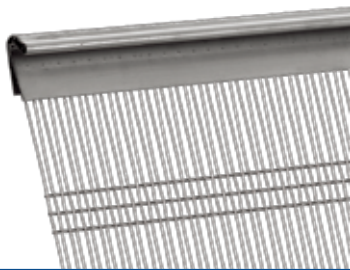
Cloth Edged Screens

For general use and FDA applications, Midwestern's cloth-edged screens can be manufactured using various edging material (for different temperatures) and with or without grommets.



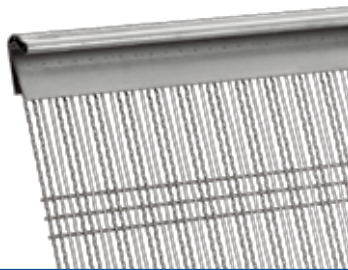
Perforated Plate

Customized to meet your screening needs, our perforated screens come in a wide range of sizes and are available with a variety of openings.



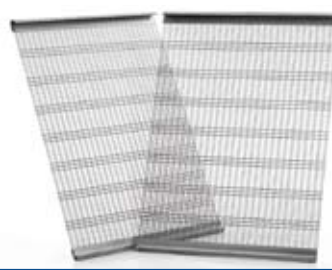
Interkleen® Screens

An elongated slotted screen with triple shoot construction designed to maximize throughput. Side-tensioned screens will have slots right angle to material flow, end-tensioned screens will have slots parallel to material flow.



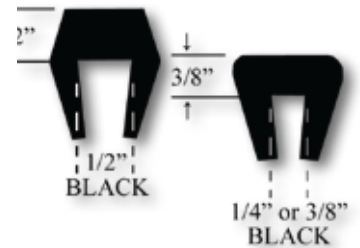
Klear Screens

Straight and crimped wires are woven side by side in an elongated pattern to maintain sizing requirements while giving the screen added elasticity to reduce material from blinding.



Slotted Screens

Slotted screens offer greater throughput by increasing the amount of open area. Available with single shoot or triple shoot construction.



Crown Bar Rubber

Crown bar rubber is necessary in preventing screen cloth from wearing against the screener's crown bars. Damaged or worn out crown-bar rubber is a contributing factor in premature screen failure.