

YOUR **TOTAL** SCREENING PROVIDER

MIDWESTERN



## MAUFACTURING GREAT SCREENS - PROVIDING GREAT SERVICE

Midwestern Industries has been a leader in the screening industry for over 60 years. With a strong commitment to quality and service, as well as a staff of dedicated, knowledgeable employees, Midwestern Industries continues to forge ahead with innovative screening solutions. Midwestern proudly designs, machines, fabricates and assembles screening and sizing equipment, circular and rectangular vibrating machines, as well as replacement screens and parts. We believe in servicing all your screening needs.





## MEV® HIGH-FREQUENCY 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')
- Five-foot by ten-foot (5' x 10')

Each unit is available with one to five screening decks giving 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.

# 15

*MINUTE SCREEN CHANGES*

End-tensioned screen panels are utilized in the MEV, Multi-Vib® and MR-7 screeners allowing our customers the ability to change screens in just minutes – eliminating hours of costly downtime. Our design also permits the use of square-opening and slotted screens and is accurately maintained by a spring-loaded draw bar.



## 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. Its counter-rotating motors deliver a lineal motion for finer screening. Save time and money with the quick change, end-tension screens.

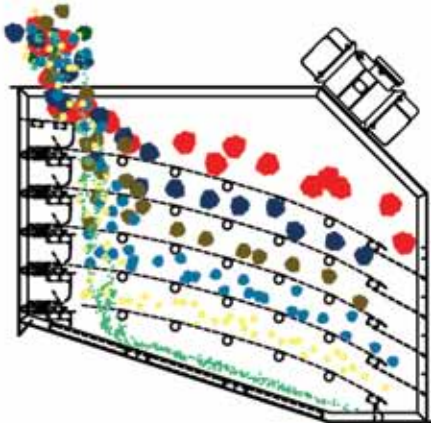
Available in sizes:

- Three-foot by five-foot (3' x 5')
- Four-foot by six-foot (4' x 6')
- Five-foot by seven-foot (5' x 7')



## MATERIAL FLOW PATTERN

The Multi-Vib high frequency screener is available to screen finer particles due to its unique design. The lineal motion created by the two counter-rotating motors located at the top of the screener provide “lift-and-throw” action and the arc of the screen deck helps convey the material to the discharge chutes.



The Multi-Vib high frequency screener is constructed to handle tough-screening applications that larger screens typically can't handle. The two counter-rotating motors 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 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 more timely models – reducing costly downtime.







## FREE TEST FACILITY

Midwestern has one of the most advanced testing facilities in the screening industry. We have dedicated over 10,000 square feet at our headquarters in Massillon, Ohio to help our customers gain valuable insight into their screening process. This facility can be used for new applications as well as improving upon existing ones.

## MR-7 CONVEYOR SCREENER

The Model MR-7 Screener with its compact, highly-efficient design is specially engineered for conveyor-type installations. The double-deck MR-7 allows materials to be separated from approximately 1" opening on the top deck to a separation down to 1/8" opening on the bottom screening deck.

End-tensioned panels provides a screening unit that can effectively handle sand, gravel, crushed stone, coal, slag, topsoil, mulch, ash, recycled asphalt, concrete and many other industrial-type materials.

The MR-7 features high load capacity, high screening efficiency, quick set-up and low maintenance. The ideal screening solution for a variety of industries wanting to separate materials for re-use or obtain saleable products.

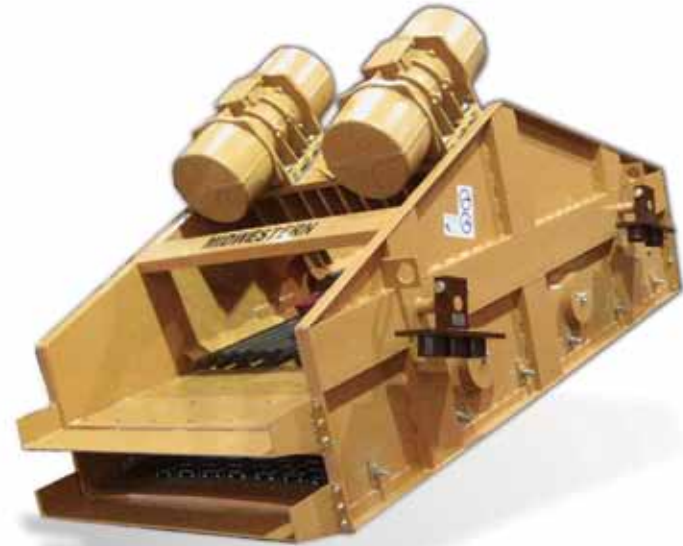


## UNI-ROD SCREENER

A ruggedly designed scalper/screener is your option for preventing obstructions from slowing down production. Steel bars paired with sizing screen cloth will effectively screen coal, limestone, oil shale, salt, coke, sand and gravel.

The self-cleaning Uni-Rod with two-decks provides high hourly output and low machine downtime. The Uni-Rod is rated at a higher capacity than static scalpers and with low maintenance and operation costs the screener will be a valued investment into your production.

The upper-deck of the screener consists of three rows of spring-steel rod bars engineered with alternating levels for easy scalping. The lower deck is a conventional side-tensioned screening deck using two panels for sizing with a center crown.



## CONVERTA-SCREEN HEATING

Screen efficiency is often affected by moisture in the material being processed. That's because cold wire mesh becomes easily clogged with a buildup of damp material causing the screen to blind. Clearing the screen mesh with hammers, chains, torches, etc. can cause expensive damage.

These same damp particles will not adhere to a warm wire. Low-voltage, Converta-Screen electrical heating equipment heats the wire enough to keep the damp material from adhering to the wire, keeping the screen open and allowing the material to pass through.

Converta-Screen Heating equipment can be easily fitted to any Midwestern rectangular vibrating screen or most units made by other manufacturers.



Before



After

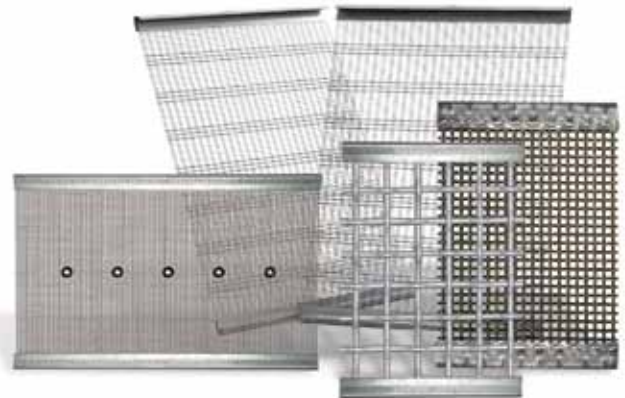


## SUPPLYING SCREEN CLOTH FOR MOST MAKES AND MODELS OF SCREENER

- HEAVY MESH SCREENS
- FINE MESH SCREENS
- CLOTH EDGED SCREENS
- INTERKLEEN® LONG SLOTTED-SCREENS
- KLEAR SCREENS
- SLOTTED SCREENS
- PERFORATED PLATE

## WIRE SCREEN PANELS

To insure durability and longevity with our screen panels, Midwestern weaves our own wire cloth to the highest specifications. Offering a large variety of woven wire screen cloth including high carbon, oil tempered and stainless steels, Midwestern can accommodate your screening application with quality products and on-time deliveries.



## ULTRA-VIB

Midwestern's Ultra-Vib screener is a rugged, quality-built machine utilizing a high frequency, straight-line motion that give excellent liquid/solid separation.

The Ultra-Vib uses pre-tensioned screen cloth mounted on a steel square tube frame. The screen frame assemblies are easy to install and remove without the use of any tools. Spring-loaded clamps on the outside of the box hold the screen panels in place.



## UNIVERSAL

The Universal Screener provides a reliable way to screen a variety of materials. Its rugged construction allows for trouble-free screening with very low maintenance requirements.

The vibrating screener can be manufactured to meet your exact screening needs. Screeners are available in both carbon and stainless steel along with dust enclosures for dry screening applications.



## UNIFLEX

The high capacity and portable Uniflex screener provides users a unique versatility. Key design features allow the Uniflex screener to be a cost-effective screener with minimal maintenance.

With a screening surface area of 24-inches by 36-inches the Uniflex is ideal for particle sizing, continuous or batch screening, scalping, and pilot plant operations.



## UNIVIBE

The Univibe is a cost-effective vibrating screen for lab screening or small production requirements. Driven by a 110 volt single-phase fractional horsepower vibrating motor the Univibe has a screening area of 225 square inches.

The self-discharging vibrating screen, is ideal for small screening applications where a single-deck separation is required.



WEBSITE: [MIDWESTERNIND.COM](http://MIDWESTERNIND.COM)

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