

Small Footprint, Big Productivity

IN RESPONSE to the demand from small volume material users, Midwestern Industries, Inc., a leading manufacturing mainstay of innovation for the screening industry since 1953, is introducing their new **MR-18 Gyra-Vib® Separator**. It features an 18" diameter size—their smallest size vibratory separator unit on the market.

A “next-generation” version of their leading MR Gyra-Vib® Separator series, the MR-18 is more compact and versatile. It is ideal for select markets with applications that don't require a lot of material volume including steel shot peening, blast and sponge media, reclaiming systems, bakery, etc.

Used to separate particles by size or separate solids from liquids, the MR-18

vibratory separator is designed for maximum screening efficiency and easy handling for smaller operations. It features a conventional design utilizing a center-mounted sealed motor and innovative balance cage weight system to control the vibratory screening motion during the screening process. Easy change of the lead angle by adjusting the weights provides for optimal flow patterns and top performance.

Notably, the MR-18 unit comes standard with 1800 RPM motors in a wide range of voltage options. Running at 1800 RPM gives the unit a shorter stroke, which adds to overall through-put to the machine. This delivers less amplitude of up/down vibration thereby keeping the material on the screen longer to ensure more efficient screening.

Specifications

Perfect for both wet and dry applications, the MR-18 is quality built and engineered at Midwestern's Massillon, Ohio manufacturing headquarters (147,000 sq. ft.) and features these essential design and engineering benefits:

- Anti-binding devices including ball tray assembly and slider tray assembly.
- Multiple screening decks are available for simultaneous separation.
- Wide range of screen meshes available down to 25 microns.
- Fully customizable to meet customer's specific screening needs.



The MR-18 Gyra-Vib® Separator

Additionally, the MR-18 features innovative balance cages that can extend screen life and ensure the longevity of each vibratory screener. These cages are mounted directly on the motor shaft, and are designed for quick-and-easy weight adjustments for the compact and versatile unit.

Testing

Full-scale screening testing is available for MR-18 Gyra-Vib customers at Midwestern's recently expanded Materials Testing Lab. Testing services are free of charge. Comprised of over 10,000 sq. ft. in Midwestern's manufacturing headquarters, the Lab is an invaluable testing facility platform. It is considered one of the best tools for customers

to make informed decisions about their screening processes. Ultimately, end-users can use the facility to gain vital quantitative data into their screening processes via running “real-time,” full-scale material tests for new applications as well as improving on existing ones.

Conclusion

Used to separate particles by size or separate solids from liquids, Midwestern's vibratory separators are designed for maximum screening efficiency. The MR-18 Gyra-Vib is the perfect extension of the MR Series' tradition, offering versatility and range in a customer-demanded 18" diameter footprint for a myriad of small volume material applications.

According to Midwestern Sales Manager, Joe Bailey, “We have supplied 18" screens and parts for competitors' equipment in the past, so the unique 18" size has been in demand and on our radar for development for a long time. We've responded accordingly, featuring it at the 2019 USA Shot Peening and Blast Cleaning Workshop in October.”

Midwestern's separation equipment can be constructed and finished to industrial, food, dairy, and pharmaceutical standards. Additional screening decks are available for multiple separations.

Speak to a sales representative today to discuss your specific round screening needs by calling: 877-4-SIZING (877-474-9464) or visit: www.midwesternind.com. ●