

DESIGNED USING 3-DIMENSIONAL MOTION FOR HIGH LOAD CAPACITY PROCESSING

HK DUAL DRIVE SIEVE SHAKER SERIES

The HK Dual Drive Shaker Series is designed using a three-dimensional sieving motion which allows the sample material to move equally and quickly over the complete sieving surface



PRODUCT DETAILS:

Engineered to cut and separate particles to the size you need, it is designed to allow sample material to move equally over the complete sieving surface, resulting in accurate and reliable analysis of your material.

The unit offers capabilities for high load capacities processed with shorter sieving times, while achieving higher separation efficiency.

Units can be air powered or electrically operated for any wet or dry application.

It is supplied with casters for tabletop operations.

The dual drive design provides for maximum throughput of product for difficult to screen materials.

It provides advanced ultrasonic sieving technology combined with electromechanical or electromagnetic vibration that virtually eliminates screen binding or clogging during the sieve test analysis process.

This is achieved by transmitting the high frequency, low amplitude ultrasonic vibration through the HK ultrasonic vibration transfer ring to the adjacent sieves.

The technology allows for a drastic and much more reliable analysis of your hard-to-sieve sample material.

BENEFITS:

- 3", 8", 12", and 17" sieve diameters available
- Two (2) high speed rotary electric drive
- Drive can handle 8 full size test frames or up to 16 half frames
- Stainless steel construction, non-metallic construction designs available
- Wing nuts accommodate for ergonomic design
- Suitable for dry or wet sieving
- Low noise levels
- Unique Ultrasonic Transducer design allows for 100% utilization of the screen surface
- Ultrasonic vibration use reduces throughput on very fine materials such as diamond dust from hours to minutes
- Screen frames designed for quick and low-cost screen replacement
- Screens down to 20 micron (625 mesh) or 5 micron with electro-formed sieve frames

ULTRASONIC TRANSDUCER



INDUSTRIES WE SERVE

3D Printing
Agriculture
Pharmaceuticals
Vitamin Production
Dry Chemical Processing
Powder Metal Production
Additive Material Manufacturing
Powder Coatings
Food & Beverage

COMMON APPLICATIONS

Particle Sizing & Separation
Solid/Liquid Separation
Check Screening
Particle Analysis
Sieve & Classify Dry Bulk Goods

All Lab & Pilot Sieves are designed with minimal wear parts to make maintenance an infrequent and easy task. Minimal contact parts allow for quick and easy clean up or screen changeover.

Flexibility in design options ensures a seamless fit into your existing production processes for your specific screening or sieving application.

We are dedicated to high quality construction, warranty and service.

APPLY HK'S ULTRASONIC SCREEN DEBLINDING SYSTEM TO THE HK SERIES AND INCREASE SIEVE RATES UP TO 10X!

HK Technologies Ultrasonic Deblinding System is designed using an ultrasonic transducer attached to a frame or ring, preserving the integrity of the mesh and extends life out in the field.

- The frame delivers frequency, low amplitude ultrasonic vibration that excites the screen, effectively eliminating screen blinding
- Applying Ultrasonics gives you the ability to utilize 100% of the screen deck, increasing throughput rates
- HK's unique ultrasonic vibration transducer design is attached to a frame, eliminating screen tearing issues of competitive units
- HK's Ultrasonic Conversion System can be applied as a retrofit conversion on most standard sized competitive vibratory screeners, sieves and sifters.

12750 Salem Warren Road
Salem, OH 44460

T 330.427.2007
F 330.427.2805

SALES@HKSIEVE.COM

HKSIEVE.COM

