

INCREASE PRODUCTION RATES OF YOUR CURRENT VIBRATORY SIEVE OR SIFTER

HK'S ULTRASONIC SIEVE CONVERSION SYSTEM

Convert your existing gyratory screeners, sieve or sifter to an ultrasonic screener in the matter of minutes, no matter who manufactured it



PRODUCT DETAILS:

Most competitive ultrasonic systems use some type of adhesive to bond the transducer directly to the screen surface.

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

The frame delivers a high frequency, low amplitude ultrasonic vibration that excites the screen and effectively eliminates blinding of materials on the screen deck.

Eliminate clogging or blinding of wire mesh when sieving powder products such as ceramics, powdered metals, pharmaceuticals, powder coatings or additive materials, to name a few.

All major vibratory screener and sieve brands are supported at a better price and better performance than their ultrasonic upgrade options.

Common Brands of sieves and screeners we can convert include:

- Russell Finex
- Kason
- Sweco
- Midwestern
- Vorti-Siv

BENEFITS:

- Increased sieving rates 3x to 10x from conventional sieving
- Multiple deck screening with one ultrasonic generator
- 100% utilization of screen surface
- Indirect ultrasonic vibration application enables longer screen life - no tearing or hot spots
- Low noise levels

ABOUT HK TECHNOLOGIES



An Affiliate of The Cleveland Vibrator Company

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

HK Technologies provides production and laboratory sized vibratory sieves and ultrasonic vibratory sieves, handling both wet and dry applications down to 10 microns. HK's vibratory sieves can be used for sizing, fines removal or liquid/solid separation. HK's unique design for optional application of ultrasonic vibration outperforms sieve throughput of competitive units. Ultrasonic vibration can be applied as a retrofit conversion on most standard sized competitive vibratory screeners, sieves and sifters.

HK promises to deliver high quality products engineered and built using only the best brands of components recognized for quality and continuous duty. Brands include: Uras Techno Motors, Cleveland Vibrator Vibratory Aids, Yaskawa Controls, Firestone isolation mounts, Bopp Wire Cloth and Precision E Form sieves to name a few.

All sieves, sifters and screeners 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.

HK's fine mesh vibratory sieves and sifters are perfect for check screening applications and ensure a consistent, high quality product every time with removing oversize contaminants from your production batch.

MORE ABOUT THE BRAND & OUR HIGH QUALITY PRODUCTS

- Use of low-maintenance, continuous-duty rated vibrators ensure long and low-cost product life
- Flexibility in design options ensures a seamless fit into your existing production processes for your specific screening, sieving or sifting application
- Unique ultrasonic vibration transducer design utilizes full screen surface area, eliminates screen tearing issues of competitive units and significantly reduces screen blinding to improve throughput rates
- Ultrasonics significantly reduces blinding to improve throughput rates
- High quality construction, warranty and service

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