

# HK TECHNOLOGIES

## PRODUCTION SIFTERS & SCREENERS

**Fine Mesh Vibratory Sifters & Screeners for large batch processing and continuous screening or scalping applications.** Designed to handle difficult-to-screen products and high capacity screening applications. Ensure consistent, high-quality products and optimal production efficiency. Standard Production Sifters screen down to 20 micron (635 mesh).



### HK SINGLE DRIVE SIFTER SERIES

The affordable and efficient high capacity check screening option where portability or limited space is important. The low-profile design and vertical discharge of fines can be easily rolled over a box or fiber drum. It is perfect for check screening and quality control of your powder batches.



### HK DUAL DRIVE SIFTER SERIES

Engineered using a three-dimensional motion allows greater throughput of difficult-to-screen products. The ultra-low-profile design provides minimum space consumption making it possible to fit in tight spots between storage and process equipment. Users can control the residence time of particles on the screen surface by adjusting motor force and orientation angle.



### HK INCLINE SCREENER

The complete self-contained ultrasonic screening system designed for extremely high yield screening applications requiring quick throughput rates. The Ultrasonic System virtually eliminates screen blinding or clogging, providing an extremely reliable method for removing oversize and fine particles from batches.



### HK HYBRUTE SERIES

Combining the brute force of a vibratory screener with the sensitivity of an ultrasonic sieving system, the HyBrute Series provides a high-capacity screener system for fine powdered materials. Get higher production rates and sieving efficiency. It incorporates the low-maintenance, high-volume flow rates of a "brute force" rectangular screener and the high-precision characteristics of an ultrasonic screener.

*Unparalleled Application Knowledge Backed By Decades of Experience.*



# PRODUCTION SIFTERS & SCREENERS

## THE HK DIFFERENCE

We offer *direct* support for *your* solution.

We provide *dependable, high quality products* with superior designs.

We are committed to *accurate & fast* turnaround and *lead times*.

All Production Sifters & 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.

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 ANY Production Sifter or Screener & Increase Throughput 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.

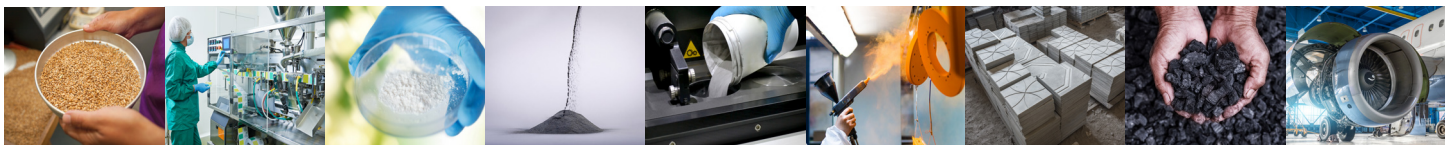
- The frame delivers a high frequency, low amplitude ultrasonic vibration that excites the screen, effectively eliminating screen blinding
- Applying Ultrasonics gives you the ability to utilize 100% of the screen deck, increasing throughput rates
- HK's unique ultrasonic vibration transducer design 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.

### Industries We Serve:

- ✓ Food & Beverage, Agriculture
- ✓ Pharmaceuticals
- ✓ Dry Chemical Processing
- ✓ Powder Metal Production
- ✓ Additive Material Manufacturing
- ✓ Powder Coatings
- ✓ Ceramics
- ✓ Mining & Minerals
- ✓ Aerospace
- ✓ 3D Printing

### Common Applications:

- ✓ Powder Material Sifting
- ✓ Particle Scalping & Classifying
- ✓ Dewatering Bulk Solids & Slurries
- ✓ Check Screening
- ✓ Particle Sizing & Separation



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**HK** TECHNOLOGIES  
YOUR SOLUTION FOR FINE MESH SCREENING