

## GET ULTRASONIC SIEVING WITHOUT SPENDING MORE FOR ULTRASONIC EQUIPMENT

### HK VERTABRUTE

The HK VertaBrute's high frequency, vertical vibration design creates the deblinding action simply using the screen, requiring no additional ultrasonic equipment.



#### PRODUCT DETAILS:

The HK VertaBrute provides an efficient, screen deblinding solution for fine mesh sift and sieving applications without the use of traditional ultrasonic screening equipment.

The VertaBrute delivers high frequency vibration of 28,000 VPM to the screen deck, ultimately eliminating screen blinding or plugging when sieving fine particle materials such as AM powders or other dense metal powder materials.

The strong, high energy, and vertical vibration transferred to the screen deck produces better throughput rates and better operational efficiency.

It is designed for quick screen changeover, resulting in minimal production downtime between runs.

The VertaBrute is designed and manufactured in the U.S.A.

#### BENEFITS:

- 24", 36", and 48" screen diameters
- Two (2) high speed rotary electric drives provide rugged, 3-dimensional vibratory action
- All units are constructed of 14-gauge 316 stainless steel
- Straight through or vertical discharge of fines provides easy and in-line product flow
- Low noise levels
- Screen frames designed for quick and low-cost screen replacement
- Screens down to 20 micron (625 mesh)

## 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

## We Make Sifting Operations *Better.*

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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