

## SAVE MONEY BY RECLAIMING YOUR ADDITIVE METAL POWDER

### HK ADDITIVE MATERIAL SIEVING STATION

The HK Additive Material Sieving Station combines a vacuum system with the HK Ultrasonic Sieving System to quickly process and reclaim powder.



#### PRODUCT DETAILS:

The HK Additive Material Sieving Station combines a vacuum system with the HK Ultrasonic Sieving System providing a very flexible, high-throughput ultrasonic sieving system that quickly processes virgin powder metal and reclaims powder vacuumed directly out of the 3D printer bed.

The vacuum system can be connected to your 3D printer for quick, dust-free powder recovery.

Combine a vacuum system with ultrasonic sieving for quick and efficient throughput rates and easy reclamation of your material.

Sieve virgin powder to ensure the quality of your powder metal prior to printing.

#### BENEFITS:

- Flexible design options with a variety of sieve diameters available
- Stainless steel construction, non-metallic construction designs available
- 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.

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### 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.

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