

SAVE MONEY BY RECLAIMING YOUR POWDER

HK VACUSIFT POWDER CONVEYING & SIFTING SYSTEM

Vacuum-integrated sieving system for fast, consistent powder processing



The HK VacuSift Powder Conveying and Sifting System combines a vacuum system with the HK sifting systems to match the application and to provide a flexible, high-throughput unit that quickly processes powder after being vacuumed directly out of a 3D printer bed, bulk bag, super sack, drum, IBC, or similar container.

The HK sifting system, paired with the vacuum system, can either be a standard sifting system, an ultrasonic sifting system, or a VertaBrute sifting system with the loose mesh deblinding feature.

DETAILS:

- Select from HKC Dual Drive, Dual Drive with Ultrasonics, or VertaBrute for performance tailored to your process.
- Boost efficiency with a high-performance vacuum system that conveys material from boxes, bulk bags, drums, IBCs, and more.
- Improve print quality by sieving virgin powder with optional deblinding systems for consistency before every build.
- Compatible with leading 3D printing methods including PBF, SLM, LPBF, DMLS, EBM, and Binder Jetting.
- Standard IP66/NEMA 4 construction with optional explosion-proof upgrades for safe operation in classified zones.

BENEFITS:

- Reclaim powder directly from the print bed with quick, dust-free recovery—maximizing material utilization and reducing waste.
- Streamline operations with an ergonomic design that eliminates manual powder handling and labor-intensive recovery processes.
- Simplify maintenance with easy-to-access features for cleaning, servicing, and replacing parts.
- Ensure material integrity with oversized discharge outlets on the sifters, efficiently removing foreign debris and oversized particles from powders.
- Optimize your builds by sieving virgin powders from containers before production, ensuring only clean, consistent material enters the process.

STANDARD FEATURES

	VACUSIFT	VACUSIFT ULTRA	VACUSIFT VERTA
STANDARD FEATURES			
HKC DUAL DRIVE (AVAILABLE IN 17", 24", 36")	x	x	
HK VERTABRUTE (AVAILABLE IN 17", 24", 36")			x
VACUUM SYSTEM	x	x	x
RESCREENABLE SIEVE FRAME	x	x	x
ULTRASONIC SIEVE CONVERSION SYSTEM		x	
VFD CONTROLLER	x	x	x

UPGRADE OPTIONS

The HK VacuSift line offers optional upgrades to boost safety, efficiency, and flexibility across all models. Enhancements include grounding and bonding systems, explosion-proof motors and controllers, and PLC panels for automation. Users can also add inert gas porting, sanitary fittings, and viewport covers for cleaner, more controlled operation, along with oversized outlets, control gates, and casters to streamline material flow and mobility.

- Ground & Bonding Monitoring System
 - Explosion-Proof Vibratory Motor
 - Explosion-Proof Controller
- PLC Control Panel
 - Inert Gas Porting
 - Cover with Viewport
- Sanitary Fitting
 - Oversize Discharge Outlet
 - Overs Control Gate

INDUSTRIES

- 3D Printing
- Powder Metal Production
- Additive Material Manufacturing
- Powder Coatings
- Agriculture
- Pharmaceuticals
- Vitamin Production

APPLICATIONS

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

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