

Product News

VAC-U-MAX Metal Powder Recovery System (AM-MPRS)

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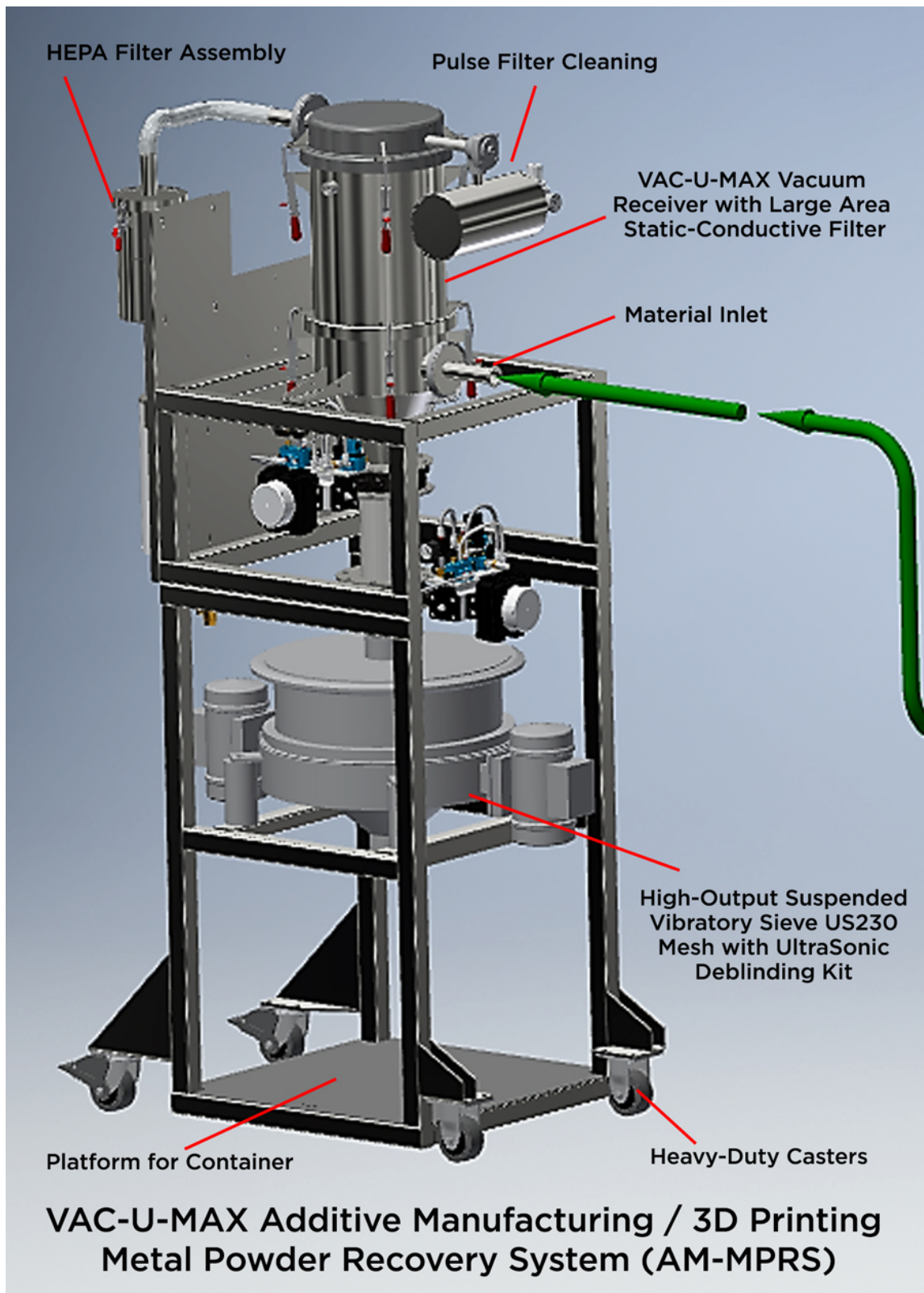
Belleville (NJ), United States –

The VAC-U-MAX AM-MPRS utilizes vacuum, with system extracting the metal powder, conveying it to a vacuum receiver, and then discharging the metal powder into a sieve. The sieve discharges the metal powder into a pail, drum or IBC, in a contained and inert environment. System is NFPA 484 compliant for handling metal powders and reduces risk of cross-contamination. AM-MPRS allows full metal powder recovery and quick dismantle without tools. The ergonomic low-profile design and mobile frame allows easy rolling with lockable casters.



] VAC-U-MAX Additive Manufacturing Metal Powder Recovery System (AM-MPRS) for conveying, screening, recovering and reusing metal powders in contained, dust-free continuous process

AM-MPRS includes pick-up hand tool and static-conductive hose with smooth bore. Hoses for non-aerospace applications are available in PVC construction, both FDA and USDA approved. Aerospace applications are offered with flexible stainless-steel hose with smooth bore construction. AM-MPRS offers inert gas-purge fittings and optional gas-purge manifold supplied at customers request. Additional features include HEPA Filter canister with filter, and high-output suspended vibratory sieving machine with US230 mesh, ultrasonic de-blinding kit, and VAC-U-MAX Vacuum Receiver.



VAC-U-MAX Metal Powder Recovery System for Additive Manufacturing.

The VAC-U-MAX 316L Stainless-Steel Vacuum Receiver Package offers 36 square feet of filter area and counter-weighted discharge valve. Vacuum Generator includes VAC-U-MAX's Single Venturi Power Unit. Compressed-air is driven by a vacuum generator with ½" NPT high-pressure air connection. System requires 35CFM @ 60PSI for operation, with variable orifice assembly for adjustment of

vacuum levels. A NEMA 4, UL-Certified VAC-U-MAX Control Panel offers Micro-PLC for Vacuum Conveying functions, starter for sieve, grounding and bonding monitor, and face-mount ultrasonic controls.**About VAC-U-MAX:** [VAC-U-MAX](#) designs and manufactures pneumatic conveying components and systems for vacuum conveying, batching, and weighing of powders and bulk materials in the food, pharmaceutical and chemical industries. Since 1954, [VAC-U-MAX](#) offers solid application and process automation expertise for bulk materials handling, including the design and manufacturing of a full range of industrial vacuum cleaning units and fully-integrated systems for high volume dust, combustible dust, fine powder, bulk material, or liquid recovery.