Metal Powder Recovery. MAXimized.

SINGLE SOURCE
CUSTOM ENGINEERING
APPLICATION EXPERTISE

VAC-U-MAX

DELIVERING MORE

GLOBAL SERVICE & SUPPORT
100% GUARANTEED
SINCE 1954

AM-MPRS | Additive Manufacturing Metal Powder Recovery System

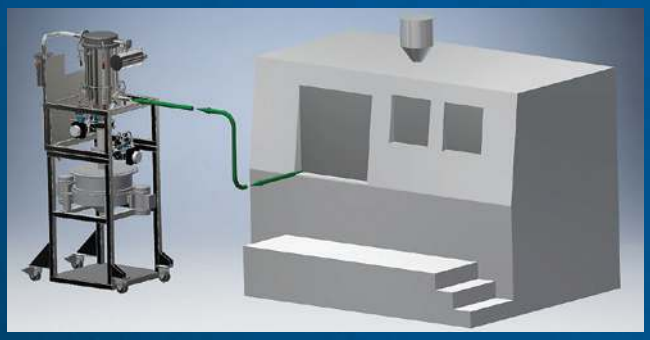
Efficiency Meets Ease of Use. Guaranteed.

Higher productivity. Easier handling. Less waste. The AM-MPRS was designed to revolutionize your metal powder recovery process.

Engineered for easy handling of metal powder, the AM-MPRS uses advanced vacuum technology to fully extract powder from the Additive Manufacturing/3D printing bed, then sieve it for future use—all in the 85% less time than traditional extraction. What's more, because it is a closed system, it eliminates the operator having to come into contact with the powder, ensuring a safer environment.

HOW IT WORKS

The MPRS uses a compressed gas-powered VAC-U-MAX venturi to vacuum metal powders from the AM printing bed. Powder is separated from the airstream by gravity-drop and a surface filter, then discharged into a surge hopper, which meters the powder onto the screen deck of the sieve. Here larger powders and agglomerations are separated from smaller particles; the smaller particles pass through the screen and the sieve outlet into the collection container (aided by an ultrasonic generator that enhances powder flow), making them immediately available for reuse.



The VAC-U-MAX AM-MPRS is designed for safe and productive vacuum removal and sieving of Reactive and Non-Reactive Metal Powders as well as Polymer and Ceramic Powders.

85%
OF PROCESSING TIME SAVED

100% **PERFORMANCE AS PROMISED**

SYSTEM COMPONENTS

FEATURES & BENEFITS:

- **Full powder recovery**
- **NFPA 484-compliant**
- **Recovers Iconel, Stainless Steel, Haynes 282 and Cobalt Chrome metal powders, including water-reactive powders**
- **Reduces cross-contamination of powders**
- **Screened powder is available for immediate reuse, blending with virgin materials, storage, or recycling**
- **Minimizes operator exposure**

THE VAC-U-MAX DISTINCTION:

- **Faster processing time**
- **Also handles polymer powders and ceramics**
- **Standard inert gas purge feature**
- **Quick take-apart, no special tools needed**
- **Low profile, mobile design**
- **Made in the USA**
- **Local product support**
- **Full performance guarantee**

Call 800-VAC-U-MAX or visit vac-u-max.com to find out how we can maximize your additive manufacturing performance today!

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65 YEARS OF GETTING IT RIGHT.

In material handling solutions, every detail is critical. So when you do business with VAC-U-MAX, you're guaranteed a lot more than a high-performing product: Pioneering materials handling technology. Custom engineering expertise. Rapid turnaround and responsive support. And of course, our 100% satisfaction guarantee.

For more than six decades, we've made a name as a single-source, dedicated provider, handling more types of materials, serving more markets, and offering the highest possible degree of customization—so your systems are maximized to fit your needs.

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