



AMPro[®] Sieve Station Connect

Powering the additive manufacturing revolution

Discover the ultimate powder handling solution

Why AMPro[®] Sieve Station Connect?

- ✓ Guarantee the quality of your printed products
- ✓ Maximize your powder usage
- ✓ Automate your powder processes
- ✓ Ensure system flexibility for easy scale up
- ✓ Enable remote operation and system data logging
- ✓ Safeguard your team and reputation

Global Powder Handling Specialists



Accelerate your additive manufacturing with the AMPro® Sieve Station Connect

AMPro® Sieve Station Connect now offers **plug-and-play functionality**, enabling adaptable system configuration. **Advanced connectivity** enables remote optimization and monitoring.

Russell Finex has been a leader in powder handling since the inception of the additive manufacturing revolution.

Our award-winning Russell AMPro® range leads the industry with hundreds of global installations, catering to startups and full-scale production.

The Russell AMPro® range is a culmination of this experience and learning, designed to meet your current and future needs.

Our product addresses key industry challenges such as ensuring material containment, minimizing manual handling and downtime, achieving a fast and reliable process, and safeguarding powder quality.

Redesigned from the ground up, the new AMPro® Sieve Station Connect, offers top-tier system monitoring and control, enhanced ergonomics, maintenance efficiency and performance.



Leading the way in performance powder handling

1

Ready...

your virgin powder to ensure optimal usage

2

Recover...

unused AM powders quickly and safely

3

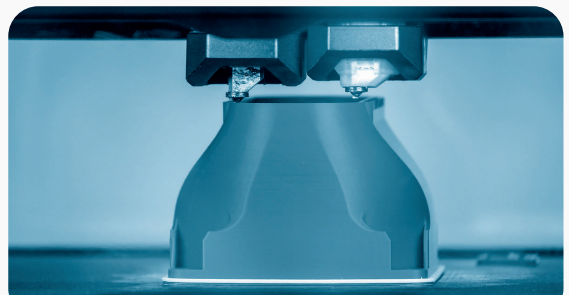
Requalify...

powders for maximum yield

4

Reuse...

both reactive and non-reactive AM powders



The AMPro® Sieve Station Connect sets a new standard for automated powder handling

The **AMPro® Sieve Station Connect** offers unmatched versatility and automation to future-proof your powder handling strategy.

Hygienic robust sieving system

Incorporating industry proven Russell Compact Sieve® technology.

Seamless user experience

User-friendly larger HMI touchscreen for easy navigation and monitoring.

Smart Flow™ technology

Patented automated feed control with intelligent weigh system for complete automation.



Advanced connectivity

Remote monitoring, data logging, and OPC-UA connectivity for cutting-edge communication.

Unparalleled modularity

Advanced modular architecture for flexible customization and plug-and-play functionality.

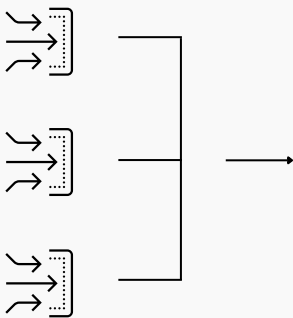
Enhanced mobility

Re-engineered layout with enhanced accessibility, improved movement control, and maintenance simplicity.

Leading in optimum powder usage, recovery, requalification and reuse

Cloud monitoring

Monitor and optimize your powder usage remotely enabling end-to-end powder traceability.



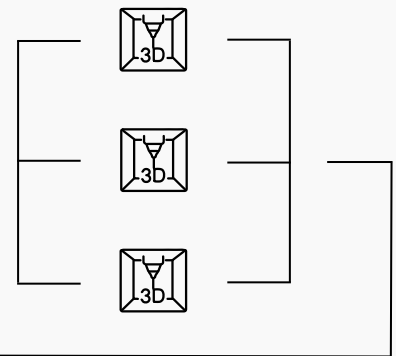
Ready for use

The quality of the virgin powder is assured before entering the production process.



Plug-and-play

Expand your printer fleet or increase powder consumption with ease.



Ready for reuse

Unused powder is recovered, requalified and reused via a fully enclosed and automated closed-loop process.

Explore the wider Russell AMPro® range of products

Build the **best solution** for your requirements



AMPro® Lite

Sieve station for powder vessel transfer

An ideal solution for entry-level users, and those using powder vessels and bottles.

Configurations include bottle to bottle powder transfer, O₂ monitoring for powder conditioning, oversize powder removal and optional powder convey module.



AMPro® Lab

Laboratory scale table-top sieve station

A non-vibratory sieve unit for recovering small batches of powder utilizing the Russell Vibrasonic® Deblinding System. Includes 3 modes of adjustment to ensure optimum sieving of any powder.

Suitable for connecting most bottle sizes and includes gas purging. Also suitable for integrating into printers for sieving powder during the build process.



AMPro® Bulk Storage Tank

For rapid evacuation of large volumes of powder

With an integrated cyclone specifically designed for conveying AM powders, this storage tank is ideal for evacuating large volumes of product.

Can be used in conjunction with the Russell AMPro® Sieve Station Connect or a separate vacuum source such as an industrial vacuum cleaner.



Precious Metal Sieve

Sanitary laboratory sieve for precious metal powders

A 250mm (10") sieve station designed to the highest standard with no crevices or seals to achieve 100% powder yield.

Available for two or three stage powder separations.



We can optimize your AM production

We offer a range of options from small batches of powders to full production scale. We can also customize our products to suit your application and installation perfectly.

Product specifications

Model	Dimensions (mm - w,d,h)	Weight	Power supply	Air supply
Sieve Station Connect	1015 x 1850 x 2100	600 kg	Exhauster: 3ph, 400VAC, 17A Venturi: 3ph, 400VAC, 11A	Exhauster: 6bar (40 l/min) Venturi: 6bar (1700 l/min)
Lite	673 x 1200 x 1795	285 kg	3ph, 400VAC, 2A	6bar (30 l/min)
Lab	274 x 674 x 1000	26 kg	1ph, 230VAC, 1A	n/a
Bulk Storage Tank	1119 x 559 x 1612	70 kg	n/a	n/a

n.b. other voltages available on request

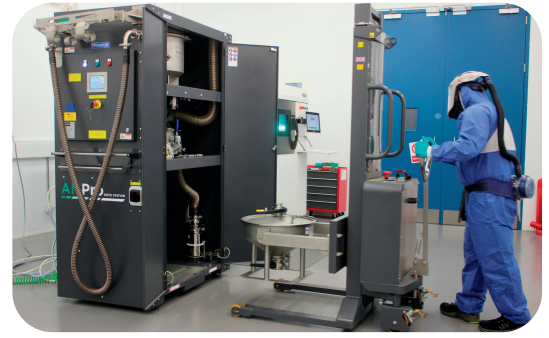
Solutions & support for ongoing success

Why partner with **Russell Finex**?

Established in 1934, we lead the world in fine mesh separation technology. Russell Finex is a customer centric, solution based company.

We design and manufacture market-leading vibratory sieves, separators, ultrasonic mesh deblinding systems and liquid filters. We do this for virtually every industry around the world.

Discover the **sieving and filtration products** and **support you need** to improve and streamline production.



What our clients say...



Solution and ongoing support

“We were looking for a partner to provide a solution and ongoing support to our AM facility. It was very difficult to find companies that had capabilities in both material conveyance and also understanding of the risks and hazards associated with additive manufacturing. Those are some of the strengths Russell Finex brought to us.”

General Motors



Faster and more efficient

“Using the AMPro has made the turnaround time for builds faster and more efficient. This has been a brilliant investment for our production process, as it has allowed our operators to concentrate on other tasks, speeding up our overall process and improving our material’s quality.”

GKN Aerospace





Global sieving & filtration specialists

Empowering manufacturers to pursue quality, efficiency and profitability.



Worldwide presence

A truly global brand, providing separation solutions in more than 140 countries.



90 years' experience

With vast industry knowledge, we pioneer advancements in separation technologies.



Customized solutions

We partner with innovative industry leaders to create tailored solutions.



Ongoing support

Six dedicated support offices worldwide, ensuring rapid and effective service wherever you are.



Focused on innovation

Home to over 300 direct employees, each contributing to our culture of excellence.



Global network of agents

Through our extensive direct sales network, we offer localized attention and tailored solutions.

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Contact us at russellfinex.com and we will put you in touch with your local representative

