



Full research and testing facilities

In our **75 years experience**, we have established the importance of the extensive evaluation of materials and equipment. Machines are made available for extended trials on customers' premises, while facilities for testing under controlled conditions are provided by state-of-the-art Test and Research Units located at our sites in the **UK, Belgium, USA and India**. The results of every test are added to a computerized database, which incorporates information gathered by the company since its earliest days. We offer customers confidentiality in regard to specific findings.

Full technical support and spares service to keep your lines running

We are committed to giving our customers a fast, responsive and reliable support service that helps to keep processing lines fully operational. This means full technical support from our technical representatives and the availability of a complete range of spares off-the-shelf. Fully aware of the operational and competitive pressures you are likely to work under, we have made a substantial investment in stockholdings of spare parts to ensure your peace of mind. **Russell** standard parts represent excellent value for money and allow units to operate trouble-free at optimum levels of performance. For mesh assemblies, made to order or standard lines, we have our own production facilities, which ensures rapid production and extremely competitive pricing.

Leaders in separation technology

We are **worldwide leaders in fine mesh separation technology** with over 75 years experience of providing solutions in more than 140 countries. In the USA and continental Europe, we have operated through subsidiary companies for over 40 years. We are committed to understanding and meeting the specific needs of our customers by means of close collaboration, design innovation and the provision of facilities for testing their materials on Russell equipment.

Call us today to find out how the **Russell 3in1 Sieving Station** can bring you high volume check screening, dust-free operation and peace of mind. **All our experience is at your disposal.**



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Safeguard product quality, your employees' health and your future



Solve your dust problems
and achieve high capacity
check screening with the
Russell 3in1 Sieving Station



Russell Proven Technology made even more effective
through working closely with our customers

**Worldwide Leaders in
Fine Mesh Separation**



The 3 in 1: A winning combination

High capacity check screening, dust-free operation, removal of sub-mesh size ferrous particles.

An integrated system matched to the demands of your industry

Designed for low level bag emptying and check screening of raw materials, the **Russell Compact 3in1 Sieve™** has been developed to help companies in processing industries such as **food, pharmaceuticals and chemicals**. Industries where hygiene standards are of the highest order, operator protection is of paramount importance and product quality must be beyond criticism. The performance of the **Russell 3in1 system** has been specified to meet the demands of the highest standards and the strictest control measures e.g. **COSHH, HACCP, the Health and Safety at Work Act and FDA** as well as the new **ATEX** legislation in Europe.

1 Low level bag-tip station

The bag tipping height has been determined with the operator in mind and follows Health and Safety Executive guidance on manual handling tasks. The dust hood is integrated with a sieve deck to provide a dust-tight interface, eliminating the need for a flexible connector and, thereby, increasing hygiene efficiency. Clearance between sieve outlet and the floor is sufficient to fit a typical wheeled bin. The **low level bag emptying station** is manufactured throughout in stainless steel, including the base. The dust hood is designed to connect with any existing dust extraction system.

Options: A 'post box' through which empty bags can be transferred by the operator to a sealed container or a bag compactor to further reduce dust levels.

2 Russell Compact Sieve®

The Russell Compact Sieve® removes all contamination bigger than the mesh apertures. The unit is easy to clean down between batches and product changes and requires only the minimum of maintenance. Quick disassembly of contact parts can be performed without the use of tools. The Russell Compact Sieve® is extremely quiet in operation, typically less than 70 dBA. This **high capacity sieve** is manufactured in stainless steel with a choice of surface finishes to satisfy the quality control standards of the various processing industries. A range of interchangeable meshes is available to suit various application requirements.

Options:

- Continuous oversize removal
- Side outlet fines discharge
- Stainless steel motor

3 Magnetic trap

Seated beneath the **mesh** is a **magnetic trap** to catch ferrous particles which are smaller than the mesh size. Standard or rare earth magnets are available.

Adaptable and flexible

The **Russell Compact 3in1 Sieve™** is designed to fit with any proprietary mechanical (screw or spiral) elevator or vacuum conveying system to move sieved material through a hygiene break, wall or through the floor gravity discharge.

Building on Russell Innovation

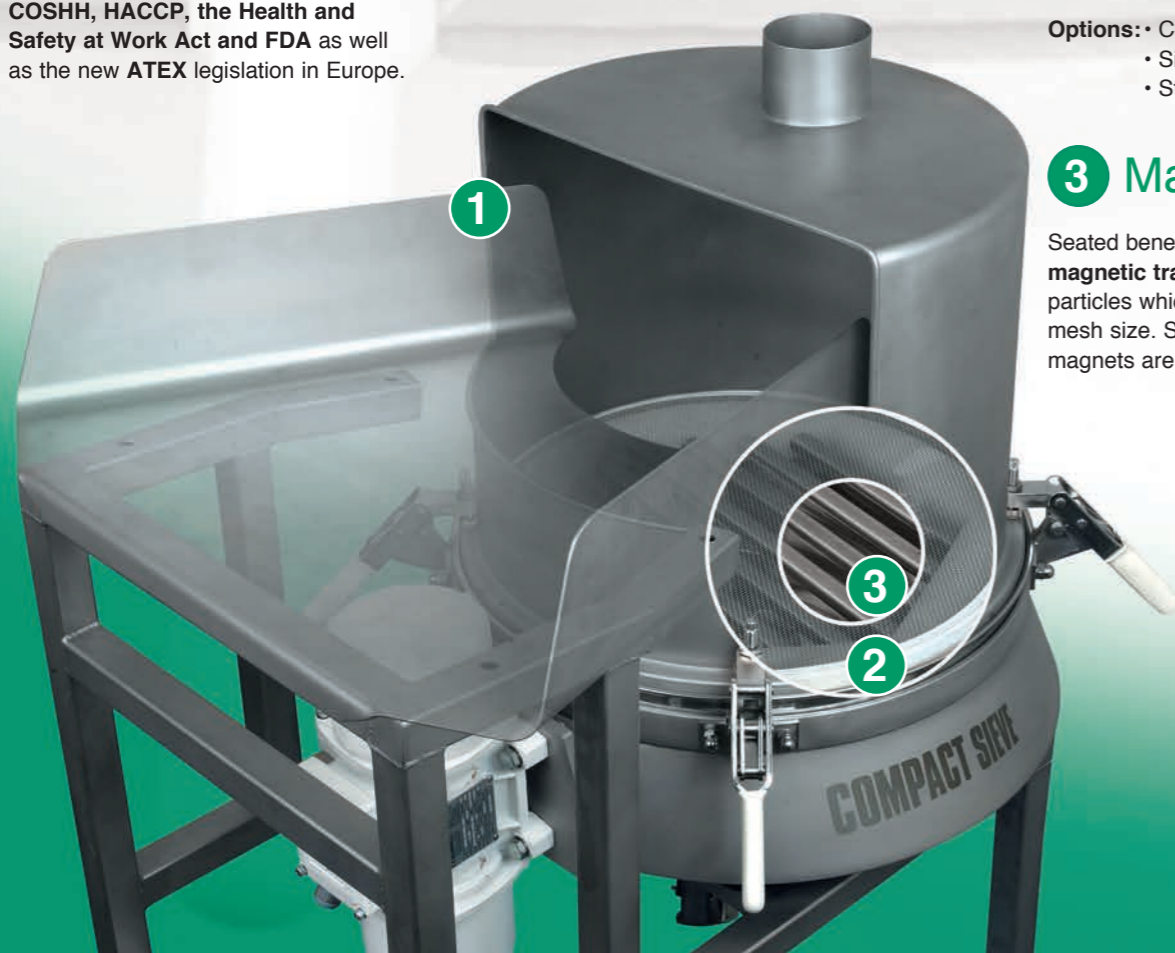
Among the world's most experienced manufacturers of screening equipment, **Russell Finex** were the first to identify the need for a high capacity check screening system to contain dust and fit readily into existing process lines.

Where bagged ingredients are used, particularly in the food and pharmaceutical industries, check screening is essential to remove items such as pieces of paper and string and, possibly, hazardous materials. The opening and tipping of bags is usually a dusty operation, made even worse by handling empty bags and is potentially dangerous to operator health and safety.



We recognized that the introduction of strict new legislation across the world's major markets could result in negligent companies incurring financial penalties and even the partial or total closure of their business. Therefore, through application of our extensive experience and proven Russell technology, we introduced the first **3in1** system in the late 1980's.

Subsequently, close co-operation with our customers has created opportunities to further improve the system. The new model incorporates many refinements to enhance both performance and ease of operation.



3in1 with pneumatic conveying system

For an animated demonstration please visit our website at www.russellfinex.com

