



Major pharmaceutical manufacturer relies on high capacity sieving machine in production of pharmaceutical powders

The Russell Compact Sieve® installed with the Russell Easy-Clean Magnetic Separator™ delivers desired throughput on new pharmaceutical production line

A leading Indian pharmaceutical company plans to develop and revolutionize the pharmaceutical and drugs industry throughout the Indian subcontinent. The company have nine manufacturing facilities across India, six of which focus on formulation and combination processes and three on processing active pharmaceutical ingredients (APIs).

The company sought to expand its plant – already manufacturing general oral solids – to include the production of oncology oral solids and injectables. The new production line required a high-capacity screening solution to ensure the highest quality and consistency of final products, and therefore the company turned to Russell Finex for a solution. A company spokesperson, responsible for the production line said, “For our new production line we were looking for a high-performance sieving machine with the versatility to sift various pharmaceutical powders. We chose Russell Finex due to the company’s vast experience in serving many pharmaceutical manufacturers.”

Production on the new line begins with the pharmaceutical powders being screened as a quality check procedure to remove any contamination, ensuring the highest quality and consistency of powders. After screening, the powders enter the mixing and granulation processes, and are combined with other additives and pharmaceutical powders to provide a perfectly uniform product.

With 85 years’ experience working with the pharmaceutical industry, Russell Finex assessed the pharmaceutical manufacturer’s requirements and recommended the industry renowned Russell Compact Sieve® as the ultimate solution to checkscreen the pharmaceutical powders. The Russell Compact Sieve® is the most hygienic machine of its kind, boasting an easy to clean and strip down design without the need for tools, all stainless-steel contact parts, and no bug-trap areas. The sieve delivers many additional benefits including high containment – protecting operators from exposure to harmful dust and fumes – low noise and maintenance, and a compact



Figure 1. The Russell Compact Sieve® for safety and check sieving to improve product quality

- **Ensures operator safety** - Dust-tight operation reducing the risk of product inhalation
- **Compact design** - Fits easily into existing installations and areas of limited head room
- **Reduces downtime** - Easy-clean and strip down design ensures production downtime is kept to a minimum

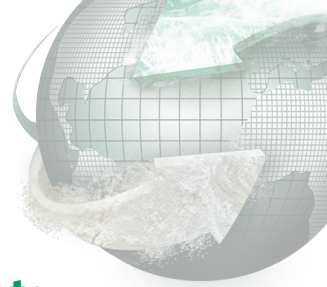
design to enable installation in areas of limited headroom.

The sieve was fitted with the Russell Easy-Clean Magnetic Separator™ to remove any ferrous contamination that is small enough to pass through the mesh screen. A hygienic, crevice-free design ensures perfect cleaning, whilst open-ended magnetic bars enable any ferrous contamination to be removed easily and effectively.



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With the installation of a 600mm diameter Russell Compact Sieve[®], the company was able to meet the high level of demand for the new product, whilst ensuring product quality was not compromised. The spokesperson concludes, "The Russell Compact Sieve[®] was the ideal solution for our screening requirements. The sieve improves the quality of our various pharmaceutical powders and, whilst being compact, delivers increased flow rates. We are very happy with the performance of the machine and look forward to working with Russell Finex for future requirements."

Established in 1934, Russell Finex manufactures innovative sieving and filtration equipment supplied to a wide range of industries including pharmaceuticals, food, metallurgy, coatings, chemicals, water processing and recycling. The range of high quality and customized solutions, including sieves, separators, self-cleaning filters and ultrasonics, provide improved product quality, increased productivity and operator safety and reduced costs.

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