



Windlas Biotech optimizes pharma production with the installation of the Russell Eco Separator®

The Russell Eco Separator® improves production efficiency when sifting pharmaceutical powders at Windlas Biotech

Established in 2001, Windlas Biotech Limited (commonly known as Windlas Biotech) located in India, researches and manufactures high-therapeutic-value drugs for the global pharmaceutical market. The company focuses on contract manufacturing of pharmaceutical products for both Indian and export markets, and generic drugs that meet brand formulation within the industry. In order to optimize production, the company turned to Russell Finex, global sieving and filtration specialists, for a hygienic and versatile sieving solution for processing various pharmaceutical powders at a high capacity.

Windlas Biotech has two WHO-GMP-approved plants in Dehradun and contract-manufactures goods for domestic pharmaceutical formulators including Mankind, Emcure Pharma, Zuventus, Biocon, Ranbaxy and many more. With more than 100 satisfied business partners, 1000 brands and 250 products, Windlas Biotech continues to grow, with a reputation built upon a comprehensive range of technologies that deliver custom products to meet customers' unique requirements.

At one plant, the company produces a range of pharma formulation products. To ensure only high-quality products are manufactured, the pharmaceutical powders are screened at the granulation stage to remove contamination. During contract manufacturing, the company processes various pharmaceutical products for different customers, so it is imperative to have a screening machine versatile enough to handle the properties of numerous powders, being quick and easy to strip down and clean.

Previously, Windlas Biotech was using a traditional rotary sifter at this stage of the process. This machine was noisy and unhygienic, and had low throughput rates, meaning the company was struggling to meet the demands of its customers. After analysing capacity requirements, necessary hygiene levels and budget, it was decided the **Russell Eco Separator®** was the ideal solution for this application.

Raju Lokhande, General Manager at Windlas Biotech said, "We chose to consult Russell Finex for a high-performance separation solution due to the company's vast experience within the pharmaceutical industry and its reputation for providing



Figure 1. The Russell Eco Separator® is the most cost effective gyratory sifter for grading wet or dry materials up to five fractions.

-  Suitable for wet or dry applications
-  Up to four screen surfaces can be mounted on one unit, providing five predetermined fractions in a single operation
-  Easily adjustable to provide absolute control of material movement on the screen surface

equipment to meet specific customer requirements."

The Russell Eco Separator® is a high-performance separator designed to meet the needs of modern-day pharmaceutical processing and the sieving of difficult powders. This hygienic and versatile solution can provide up to five fractions of powder in one operation,



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giving customers total peace of mind that the product sieved is of the highest quality and consistency to meet their requirements. As with the entire range of Russell Finex separators, this unit is designed with minimal contact parts to allow for easy cleaning and strip down without the need for tools, which reduces production downtime.

Mr. Lokhande continues, "We have been relied upon as contract manufacturers for many years, delivering a wide range of services to pharmaceutical manufacturers, so it is important to deliver quality products at a high demand. When we were under pressure to improve the efficiency of the screening stage of powder production, we welcomed Russell Finex's assistance".

Windlas Biotech installed three fully stainless steel 24" Russell Eco Separator® units. Upgrading its production line in this way resolved all the screening problems previously experienced, delivering a dust-free sieving operation at

the desired production capacity, with a solution versatile to processing different pharmaceutical powders, within the original budget.

Mr. Lokhande comments, "Russell Finex machines solved the issues we previously faced relating to operator health and safety. Whereas the previous sifters omitted a high level of dust and fumes, these separators are significantly more operator-friendly, and allow easy sifting of various pharmaceutical powders. These units not only increased our production but also improved the product quality, meeting the needs of our customers".

For 85 years, Russell Finex has been manufacturing and supplying customized high-performance separation solutions to the pharmaceutical industry. A wide range of vibrating sieves, separators and self-cleaning filters are designed to increase productivity, improve product quality, safeguard operator's health from dust and fumes and ensure contamination-free powders and liquids.