



## Haryana Leather Chemicals achieves outstanding quality of PVC additives with Russell Finex separation solutions

### The installation of the Finex Ultima™ enables Haryana to achieve superior product quality on its new production line for PVC additives

Established in 1985, Haryana Leather Chemicals Limited (informally known as Haryana), is a leader in leather processing, footwear finishing, textile printing, and PSA (pressure-sensitive adhesive) and PVC processing. With its 100,000 sq. ft manufacturing plant and research laboratory located in northern India, the company continues to expand its output and improve its working practices.

Haryana manufactures custom-made solutions, catering for the unique requirements of its customers in 25 countries throughout the Far East, Southern Asia, Africa, the Middle East and Europe. As the company expanded its PVC additives production line, Haryana approached Russell Finex for a high-performance grading solution for plastic powders.




Haryana had been facing issues with final product quality, with oversize particles affecting the consistency of its powdered PVC product during packaging. Contamination such as this can compromise downstream production if not removed. To rectify this problem, the company sought a separation solution to be installed before packaging to ensure that no particles above 850 microns entered the bagging process.

PVC is a thermoplastic used in the production of packaging, sewerage, construction, furniture and automotive parts and many other applications. It is melted into a liquid during manufacture, hardening into a solid product when cooled and can be moulded or fabricated into durable products that can last for hundreds of years. Various additives can be used during manufacture to alter its properties depending on its application, making the material more durable, more flexible or flame retardant. During its manufacture, liquid PVC is made into a powdered form via a spray-drying process and is then screened to remove any oversize particles or foreign contamination before packaging.

Mr. H.S Tripathi, Marketing Manager at Haryana said, “We



**Figure 1.** The Finex Ultima™ installed at Haryana unit

-  Increases production efficiency with improved product quality
-  Unique rubber suspension for consistent sieving and quieter operation
-  Capable of screening upto 5 fractions in one operation

are serving a global market, so it is important for us to satisfy our customers’ expectations with a consistently high-quality product. Sourcing a new machine to screen our PVC powders was a challenge for us, but Russell Finex provided the expertise to ensure we received the perfect machine for our requirements”.



# RUSSELL FINEX

## Global Sieving & Filtration Specialists



For over 80 years, Russell Finex has manufactured separation and filtration solutions for a variety of industries, handling over 2000 applications to provide manufacturers with high-quality processing equipment to meet their specific requirements. On this occasion, Russell Finex applied its expertise in powdered plastics and chemicals, recommending the Finex Ultima™ as the ideal solution.

The Finex Ultima™ is a high-performance **vibro screen separator**, exclusively available for India, Bangladesh and Sri Lanka. This revolutionary screening machine is designed with the latest technology to deliver higher throughput with improved product quality compared to spring-mounted round separators. This is a versatile screening machine that can be used for many purposes such as grading, check-screening, de-watering, de-dusting, resizing and product recovery, and is available in various sizes from 30" to 60". Its unique rubber suspension helps achieve consistent sieving and quieter operation.

Mr. Tripathi continued, "This was the first vibro screening machine of this type installed at our plant. We are very happy with the improvements in our final product quality and the increase in throughput. I would say an additional bonus of this machine is it is very quiet in operation." With the installation of a 30" Finex Ultima™, Haryana is now able to consistently achieve its desired particle size

of PVC additive powders. In turn, the company ensures its customers' demands are met both in terms of quantity and quality, meaning Haryana is more than satisfied with the machine performance and would certainly consult Russell Finex for future requirements.

Mr. Tripathi comments "The installation of the Finex Ultima has not only helped to improve our product quality, but also upscale our production output to the required capacity. With fewer contact parts, the machine is easy to disassemble and clean, reducing downtime and further optimizing production".

For over 80 years, Russell Finex has manufactured and supplied **vibro screens**, **vibro sifters**, **self-cleaning filters** and **ultrasonic deblinding systems** to a variety of industries including **food**, **pharmaceuticals**, **chemicals**, **coatings**, **metal powders** and **ceramics**. These industrial separation solutions help manufacturers meet the needs of the modern-day processing industry, improving product quality, enhancing productivity and ensuring operators' health and safety.