



## Gits upgrades its food production facility with Russell Finex screening solutions

### Gits expands its production of instant food mixes with the installation of the Finex Ultima™ and Russell Compact Sieve®

Established in 1963, Gits Food Products Pvt Ltd. (commonly known as Gits), is known as a pioneer in the Indian packaged and instant food market, manufacturing a wide variety of dairy products, ready meals, instant mixes, rice, breakfast and dessert products which are distributed across India and exported to over 40 countries around the world. Since its foundation, the company has been conscious of the quality it delivers, and was the first food manufacturer in India to obtain ISO 9001 – 2008 (Quality Standard) ISO 22000 (Food safety) certifications.

Having experienced difficulties with previous machinery not achieving the required throughput or quality at its Pune production plant, Gits sought a solution and contacted Russell Finex for advice. Following a site visit by a Russell Finex sales engineer, it was decided the installation of the Finex Ultima™ and the Russell Compact Sieve® would meet the requirements and give significant benefits for the different food applications.

Russell Finex encourages its customers to trial their machines to give total peace of mind that the solution selected meets requirements. Gits not only tested the Finex Ultima™ with wheat flour, gram flour and Semolina (sooji) at their own production facility, but also visited the UK Head Office, where Mr. M.A Tejani, Managing Director and Ms. Samana Tejani, Production Director met with Managing Director Mr. Ray Singh who provided a tour of the manufacturing facilities. Satisfied with the trials and the high-quality manufacture of machinery, the company decided to purchase two double-deck Finex Ultima™ units and four Russell Compact Sieve® units.

Ms. Samana Tejani, Production Director at Gits said “High-capacity, high-quality and accurate particle separation were the key criteria we were looking for. These Russell Finex machines fulfilled all our criteria, meaning we were confident that purchasing these machines would allow us to obtain our desired product quality.”



**Figure 1.** The Finex Ultima™ installed at Gits Pune production plant

- High capacity, accurate screening on up to 5 fractions in one operation
- Easy to strip-down and clean without using additional tools
- Increases production rates up to 50% more compared to traditional vibro separators

Gits installed the Finex Ultima™ units into its production lines of milk powder, rice, pulses and semolina. The production process begins with the cleaning of food ingredients, followed by grinding and milling, before the sieving process. Here, it is vital all contamination is removed before the products continue to the mixing and packaging stages.



The Finex Ultima™ is the ultimate **vibrating screen** for the **food industry**, capable of achieving up to five fractions of food powders or granules in one operation. This high-performance separation machine meets the highest standards of hygiene in the food industry, making it a popular choice among food manufacturers. The unit is equipped with many benefits including a hygienic open frame design, high-quality stainless-steel contact parts, tool-free assembly and disassembly and lower noise levels.

The Finex Ultima™ units were supplied with lids, ensuring no foreign contamination enters the process. An integrated magnetic separator removes any ferrous particles at this stage, protecting food products from harmful contamination. Furthermore, these units are mobile, ideal for use in various production areas if needed.

The Russell Compact Sieve® units were installed at the packaging stage of the production line, used as a final quality-check for the food products. Refined flour, gram flour and a dal makhani gravy products are check-screened before packaging, ensuring these products are of a consistent particle size and contamination-free before being supplied to customers.



**Figure 2.** The Russell Compact Sieve® installed as a final quality check before packaging

The Russell Compact Sieve® is a **high-capacity sieving machine**, capable of sieving a variety of food applications, in areas of limited headroom, without compromising the throughput rate and product quality. Another popular unit for food manufacturers, this screening machine provides high-containment and hygienic sieving of food powders and granules. The units are quick and easy to strip down and clean, and compact in size to allow easy installation into existing production lines and areas where space is limited.

The Russell Compact Sieve® units were customized with scoop-feed lids to allow easy manual feeding of product into the machine. The **Russell Easy Clean Magnetic Separator™** was also supplied to remove any remaining ferrous contamination before packaging.

Tejani stated “We are very happy with the quality and performance of the Finex Ultima and Russell Compact Sieve machines. The machines are small in size, which enables them to be easily handled by one operator but still allow us to achieve the desired throughput rates, meaning we continue to meet the needs of our customers.”

After this installation, Gits was extremely satisfied with its machines and the support it received from Russell Finex. This relationship resulted in the introduction of another Finex Ultima™ machine for grading nuts at Gits’ sister company, Avishkar Agro Technology LLP, Pune.

For over 80 years, Russell Finex has been designing and manufacturing high-performance **sieving and filtration solutions** for many major food manufacturers such as Nestlé, Mondelēz, Unilever, Danone, Kellogg’s, General Mills and many more to improve product quality, enhance productivity and safeguard operator health and safety. Throughout the world Russell Finex serves a variety of industries including **food, pharmaceuticals, metallurgy, chemicals, paints and coatings.**