

Improve your throughput further with the New Russell Vibrasonic Spiroscreen® (patent pending)

Russell Finex, the inventors of ultrasonic mesh deblinding systems, have introduced the new Vibrasonic Spiroscreen® (patent pending). This next generation deblinding system enables powders to be sieved on finer meshes with more accuracy than ever before, even on large diameter screens. This increases the value of the screened powders as well as improving the quality of the final products they are used to manufacture.

The Russell Vibrasonic Spiroscreen® achieves these improvements by eliminating mesh blinding for a wide range of difficult to screen materials, including light and sticky powders.

Eliminating blinding offers other benefits including an increase in production output. Sieving capacities increase because all the apertures remain clear and powder can pass through them. Downtime is reduced as there is no need to stop the production process to clean the mesh.

Eliminating blinding also reduces production costs. Accurately screening powders in one pass maximises sieving capacity thereby preventing the need to re-size good product. This shortens production time and increases yields - both saving money.

The new Vibrasonic Spiroscreen® uses a spiral shaped ultrasonic distribution element to provide maximum control of the powder on the mesh screen thereby increasing its effectiveness in separating out the different sized particles in powders. This element is driven by a finely tuned Russell Finex Vibrasonic control unit incorporating technology proven over 30 years. The combination of out of balance weight settings, the shape of the spiral and the vibration activity guides the product to give full mesh usage.

The element provides the opportunity to use larger screens with a single probe while keeping even activity levels over the whole mesh surface. As a deblinding aid it covers more mesh surface allowing maximum screen coverage.



The system is easy to tailor to specific needs. A touch sensitive control panel on the generator box gives the ability to adjust the ultrasonic activity level along with the other functions to easily optimise the system's performance for different powder types.

The Vibrasonic system is easy to fit to an existing sieve or screener - even if it is not a Russell Finex model. Any diameter machine up to 2m and sometimes above can be retrofitted.

Russell Vibrasonic Deblinding Systems have been improving product quality in many industries since the early 1980's. These include: metal powders, electrostatic powder paint, pharmaceuticals, chemicals, ceramics, toner powder and food as well as many more.

Russell Finex are the originators of the ultrasonic deblinding system and are the only manufacturers of both sieving and ultrasonic deblinding equipment with in house expertise in both technologies. This is particularly important as they both need to be set up together to get the optimum performance from the combination of one technology with the other.